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===============================================================================
*                                                                             *
*    Cover Sheet                                                              *
*                                                                             *
===============================================================================


      ***  Your Memo ***


-------------------------------------------------------------------------------
*                                                                             *
*    Prepared for: Examiner Tkacs                                             *
*                                                                             *
*    By          : Ginger Roberts                                            *
*                                                                             *
*    Date        : March 10, 1998                                            *
*                                                                             *
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```

Attached please find the results of your search for 08/871,815. The search
was conducted in the standard collection of EIC databases of Dialog including
the DR-LINK. If you have any additional search requirements, or need any
further narrowing or refocusing of this search, please do not hesitate
to contact me.

Thank you.

Ginger Roberts
308-7795

SEARCH REQUEST FORM

Requestor's Name: STEPHEN TKACS

Serial Number: 08/871 815

Date: 3/10/98   Phone: 305-9774   Art Unit: 2761

Search Topic:
Please write a detailed statement of search topic. Describe specifically as possible the subject matter to be searched. Define any terms that may have a special meaning. Give examples or relevent citations, authors, keywords, etc., if known. For sequences, please attach a copy of the sequence. You may include a copy of the broadest and/or most relevent claim(s).

See Attached.

STAFF USE ONLY

Date completed: 3/10/98

Searcher: MMR

Terminal time: 113

Elapsed time: 30

CPU time: _____

Total time: 143

Number of Searches: 1

Number of Databases: 51

Search Site
- ✓ STIC EIC
- ___ CM-1
- ___ Pre-S

Type of Search
- ___ N.A. Sequence
- ___ A.A. Sequence
- ___ Structure
- ✓ Bibliographic

Vendors
- ___ IG
- ✓ STN
- ✓ Dialog
- ___ APS
- ___ Geninfo
- ___ SDC
- ___ DARC/Questel
- ✓ Other DRLINK

```
?show files;ds
File 108:Aerospace Database 1962-1998/Feb
         (c) 1998 AIAA
File   8:Ei Compendex(R) 1970-1998/Apr W1
         (c) 1998 Engineering Info. Inc.
File  77:Conference Papers Index 1973-1998/Mar
         (c) 1998 Cambridge Sci Abs
File 238:Abs. in New Tech & Eng. 1981-1998/Feb
         (c) 1998 Reed-Elsevier (UK) Ltd.
File  35:Dissertation Abstracts Online 1861-1998/Mar
         (c) 1998 UMI
File 103:Energy SciTec 1974-1998/Jan B2
         (c) 1998 Contains copyrighted material
File 202:Information Science Abs. 1966-1998/Feb
         (c) 1998 Documentation Abs Inc
File  65:Inside Conferences 1993-1998/Mar W1
         (c) 1998 BLDSC all rts. reserv.
File   2:INSPEC 1969-1998/Mar W2
         (c) 1998 Institution of Electrical Engineers
File  14:Mechanical Engineering Abs 1973-1998/Mar
         (c) 1998 Cambridge Sci Abs
File  94:JICST-EPlus 1985-1998/Jan W2
         (c)1998 Japan Science and Tech Corp(JST)
File 438:Library Literature 1984-1998/Jan
         (c) 1998 The HW Wilson Co
File  61:LISA(LIBRARY&INFOSCI) 1969-1998/Feb
         (c) 1998 Reed Reference Publishing
File 239:MathSci(R) 1940-1998/Mar
         (c) 1998 American Mathematical Society
File 233:Microcomputer Abstracts 1974-1998/Mar
         (c) 1998 Information Today Incl.
File   6:NTIS 64-1998/Apr W1
         Comp&distr 1998 NTIS, Intl Copyright All Rights Re
File 144:Pascal 1973-1998/Jan
         (c) 1998 INIST/CNRS
File  64:Global Mobility Database (R) 1965-1998/Jan
         (c) 1998 SAE Inc.
File 434:Scisearch(R) Cited Ref Sci 1974-1998/Mar W1
         (c) 1998 Inst for Sci Info
File  62:SPIN(R) 1975-1998/Jan B1
         (c) 1998 American Institute of Physics
File  99:Wilson Appl. Sci & Tech Abs 1983-1998/Jan
         (c) 1998 The HW Wilson Co.


Set     Items     Description
S1      19398     (PRODUCT? OR MERCHANDISE OR CATALOG?)(2N)(NUMBER? ? OR COD-
                  E? ?) OR UNIFORM?()PRODUCT?()CODE? OR UPC OR STANDARD?()INDUS-
                  TRIAL?()CLASSIFICATION?()CODE? OR SIC?()CODE?
S2      83279     WEB()BROWSER? OR BROWSER? OR NETSCAPE? OR EXPLORER? OR CLI-
                  ENT()PROGRAM? OR LYNX? OR MOSAIC
S3       2527     UNIVERSAL?()RESOURCE?()LOCAT?R? OR U()R()L? ? OR URL? ? OR
                  UNIFORM?()RESOURCE? OR WEB()ADDRESS? OR INTERNET?(2N)ADDRESS?
                  OR RESOURCE? ?(2N)ADDRESS?(4N)INTERNET?
S4    1707616     LINK? ? OR SITE? ? OR WEB()SITE? ? OR WEBSITE? OR WEB?()PA-
                  GE? OR INTERNET?()PAGE? OR HOME()PAGE? OR HOMEPAGE?
S5      94264     (PRODUCT? OR COMPANY?)(2N)(INFORMATION? OR DATA? OR NAME? -
                  OR DESCRIPTION? OR SPECIFICATION? OR REVIEW? ?) OR COUPON? ?
S6      32178     TRADE?()MARK? OR TRADEMARK? OR TRADE?()NAME? OR TRADENAME?
                  OR LOGO? OR COMPAN?(2N)(MARK? OR EMBLEM?)
S7          0     S2 AND S3 AND S4 AND S5 AND S6
S8          1     S3 AND S4 AND S5 AND S6
S9         52     S4 AND S5 AND S6
S10        36     S4(S)S5(S)S6
S11       143     (SEARCH? OR ENTER? OR TYPE?)(2W)S6
S12         1     S2 AND S11
S13        37     S7 OR S8 OR S10 OR S12
S14        35     RD (unique items)
?t14/7/all
```

14/7/1   (Item 1 from file: 103)

03594822   EDB-94-010788
Title: Selected information resources for health hazard evaluation
Author(s): Lu, P.Y.; Wassom, J.S. (Oak Ridge National Lab., TN (United
    States))
Title: 203rd American Chemical Society national meeting
Conference Title: 203. American Chemical Society (ACS) national meeting
Conference Location: San Francisco, CA (United States)   Conference Date:
    5-10 Apr 1992
Publisher: Washington, DC (United States) American Chemical Society .
Publication Date: 1992   p 465, Paper CHAS 14   (2442 p)
Report Number(s):   CONF-920444--
Contract Number (DOE): AC05-84OR21400
Language: English
Availability: American Chemical Society, 1155 16th Street, N.W.,
    Washington, DC 20036-4899 (United States)

Abstract: Health hazard evaluation is an essential element in the
    remediation of hazardous waste **sites** . The efficient conduct of health
    hazard evaluations is complicated by a lack of reliable and
    comprehensive data/information resources. Over the past two decades a
    number of computerized data bases focusing on various toxicity end
    points, including carcinogenicity, genotoxicity,
    developmental/reproductive toxicology, and chemical safety and handling
    have been developed and maintained at the Oak Ridge National Laboratory
    through a number of interagency collaborative efforts. Selected data
    files, such as the Environmental Mutagen Information Center file
    (75,000 citations/over 22,000 chemicals), Environmental Teratology
    Information Center file (48,000 citations/over 8,000 chemicals),
    Environmental Carcinogen Information Center file (4,000 citations/3,000
    chemicals), Gene-Tox Agent Registry file (genetic toxicology
    evaluations on over 4,600 chemicals), Cell Transformation Information
    file (1,000 citations/over 500 chemicals), and Material Safety Data
    Sheets Information file (over 1,200 pure chemical and **trade   name
products**) are available for use in the health hazard evaluation
    process. The application of these resources to the health hazard
    evaluation process is reviewed.

14/7/2   (Item 2 from file: 103)

03252232   CLA-92-010394; EDB-92-014989
Title: A technical buyer's guide to mining chemicals
Author(s): Suttill, K.R.
Source: Engineering and Mining Journal (United States) v 192:8. Coden:
    ENMJA ISSN: 0095-8948
Publication Date: Aug 1991   p 23-34
Language: In English
Abstract: Reagents used in mineral processing continue to develop in the
    constant search for improved recoveries and grades. Although the
    numbers of manufacturers involved in the business appears to have
    declined since E MJ's last survey in 1968, the variety and
    sophistication of the products available has certainly increased. The
    trend is for manufacturers to try and match or blend their products to
    site specific needs rather than produce a simple range to choose from.
    In this guide, the mining chemicals available have been divided into
    six categories: sulphide collectors; collectors for oxides and
    non-metallic minerals; frothers; modifiers; flocculants and dewatering
    aids; and solvent extraction and ion exchange reagents. In all
    pertinent cases reagents are alphabetically listed under their **Trade
Names** . There follows a chemical **description** of the **product** and its
    major uses. 6 tabs.

14/7/3   (Item 3 from file: 103)

01646069   EDB-85-152848
Title: Chile - Pecket coal project under starters orders
Author(s): Phillips, K.
Source: Int. Bulk J. (United Kingdom)   v 5:4.
Publication Date: Apr 1985   p 18-19
Language: English
Abstract: Mining Investment Corp, a subsidiary of Burnett and Hallamshire
     in the UK, is presently involved as equal partner in a joint venture
     with Chilean oil products **marketing   company** Copec, together forming
     Cocar, Compania de Carbones de Chile, in a bid to soon develop the
     so-called Pecket property coal mine. **Sited** close to Punta Arenas in
     the far south of Chile, and with an initial one Mt/y scheduled
     production capacity of **specification** open cast coal, the mine is
     expected to satisfy much of the burn requirements of the Chuquicamata
     thermal power station which will generate electricity for Codelco's
     massive local copper mining and refinery operations. However, recent
     setbacks have effected delays in the coal mining project, and the
     Chilean government pronouncement concerning the mine's sales commitment
     to Chuquicamata continues to be awaited. Following is a brief outline
     of the more salient features of the Pecket property coal mining venture
     and an update of its current status.

14/7/4   (Item 4 from file: 103)

01299303   EDB-83-199311
**Title: A minicomputer system for analyzing and reporting pilot plant
     fermentor data**
Author(s): Bowksi, L.;   Perley, C.R.;   West, J.M.
Affiliation: Biotechnology Process Development, Technical Development
     Department, Chemical Division R and D, Hoffman-La Roche, Inc., Nutley,
     New Jersey 07110
Source: Biotechnol. Bioeng. (United States)   v XXV:5.   Coden: BIBIA
Publication Date: May 1983   p 1237-1250
Language: English
Abstract: In 1979, a minicomputer system was developed for Hoffmann-La
     Roche by ABEC, Inc. for the purpose of achieving on-line analysis and
     reporting of data from 16 70-L pilot-plant fermentators (New Brunswick
     Scientific Co.). The system consists of a PDP 11/60 computer with 96K
     core capacity, two RL01 disk drives, two RX01 floppy-disk drives, LA-36
     DECwriter terminal, Tektronix CRT, and Versatec printer plotter. DEC,
     PDP, RSX, RL01, RX01, LA-36, and DECwriter are **trademarks** of Digital
     Equipment Corporation. The computer software comprises three distinct
     groups of programs. RSX-11M is a disk-based operating system that
     allows quick response to realtime events, such as process monitoring
     and data acquisition, while carrying out less time-dependent
     activities, such as program development and graphical output. The AIM
     (Biles, Inc.) system is used to acquire and convert the voltage signals
     produced by pilot-plant instrumentation into engineering units.
     Analysis and graphical output are executed by ABEC and Versatec
     supplied programs. The most beneficial task performed by the computer
     is the production of graphical output of a variety of measured and
     analyzed data. This has led to an increase in personnel productiv ity
     and design of more meaningful experiments. An ancillary function of the
     system is to pick up data logged by a PDP 11/03 computer from a remote
     fermentation production plant by means of a MODEM interfaced
     communication **link** . **Production   data** are analyzed and presented in
     a form dentical with pilot-plant data. The experience with the system
     is discussed in this article.

14/7/5   (Item 1 from file: 202)

00218446 9708446
ISA Document Number in Printed Publication: 9708382
   **Information   resources   on   Canada.   A   checklist   for   non-Canadian
   searchers.**
Document Type: Journal Article
Author (Affiliation): De Stricker, U.; Serio, S.; Casey, V.
Journal: Database
Publication Language(s): English
Source: Vol. 20 Issue 5 p. 18-22, 24-26, 28-30, 32, 34-35 Oct-Nov 1997
      Although significant Canadian content exists in databases available
   through major international online services, searchers should not limit
   themselves to the major hosts just because some Canadian content
   happens to reside there. To expand the user's search expertise beyond
   these major international online services, an inventory is provided of
   Canadian databases, hosts, and **Web   sites** . Categories of electronic
   information resources described include arts and culture, corporate and
   investment, economics, demographics and statistics, geographic, law and
   compliance, natural resources and energy, news, business and general
   company   information , science and technology, and **trademark** and
   intellectual property.

14/7/6   (Item 2 from file: 202)

00216023 9706023
ISA Document Number in Printed Publication: 9705743
   Thomson & Thomson's SAEGIS: trademarks made easy on the Web.
Document Type: Journal Article
Author (Affiliation): Ivaldi, J.
Journal: Online
Publication Language(s): English
Source: Vol. 21 Issue 4 p. 62 Jul-Aug 1997
      This article reviews the Thomson & Thomson's new Internet
   information   products on **trademarks** . The author contends that with
   easy-to-use search formats and the ability to order in-depth research
   reports, a wide range of intellectual property information is available
   in one place and comprises a one-stop source for **trademark**
   information. The **site** 's content, access methods, and retrieval
   options are discussed.

14/7/7   (Item 1 from file: 2)

5551465   INSPEC Abstract Number: C9705-7100-063
 Title: **Business information on the Internet**
  Author(s): Webber, S.
  Author Affiliation: Strathclyde Univ., Glasgow, UK
  Conference Title: Ninth Annual Computers in Libraries 95 Proceedings
p.43-53
  Publisher: Learned Inf, Oxford, UK
  Publication Date: 1995   Country of Publication: UK   iv+178 pp.
  ISBN: 0 904933 91 1   Material Identity Number: XX95-00498
  Conference Title: Proceedings Ninth Annual Computer in Libraries '95
  Conference Date: 7-9 March 1995   Conference Location: London, UK
  Language: English   Document Type: Conference Paper (PA)
  Treatment: Practical (P)
  Abstract: There is a growing range of business information on the
Internet, both from commercial and public sector organisations. There are
still many **company** and **market   information** sources which cannot be
found free of charge, and commercial online hosts still contain much

information which is not available free on the Internet. Some new Net-based priced services have been set up, and increasing numbers of directory-type **sites** . The paper describes some of the services available. (0 Refs)

14/7/8   (Item 2 from file: 2)
DIALOG(R)File   2:INSPEC

5394554
 Title: Making the most of the Internet
  Journal: Technology Strategies   no.118   p.5-6
  Publisher: MCB University Press,
  Publication Date: Nov.-Dec. 1995   Country of Publication: UK
  ISSN: 0258-0551
  SICI: 0258-0551(199511/12)118L.5:MMI;1-F
  Material Identity Number: D346-96003
  Language: English   Document Type: Journal Paper (JP)
  Treatment: Practical (P)
  Abstract: Most of the commercial activity on the Internet centers on **marketing** , with **companies** experimenting with what amounts to little more than brochures and product catalogs. Mosaic, a multimedia interface to the World Wide Web, enables companies to engage in such experiments. Previously, the Internet consisted mostly of textual material, making it not only difficult to use, but uninviting as a medium. With the incorporation of graphics and text layout, the Internet demonstrates the potential for more attractive messages which can include a firm's identity and portray **products** and brand **names** . While most of the online presentations are of existing product literature and therefore require little conceptual effort, the transition from paper to an operational Internet **site** still requires considerable technical expertise, and a whole cottage industry of computer consultants has sprung up. (0 Refs)

14/7/9   (Item 3 from file: 2)
DIALOG(R)File   2:INSPEC

5054818   INSPEC Abstract Number: C9511-7230-001
 Title: CIP's home page gets facelift
  Author(s): Alexis, D.
  Journal: Computers in Physics   vol.9, no.4   p.371-2
  Publication Date: July-Aug. 1995   Country of Publication: USA
  CODEN: CPHYE2 ISSN: 0894-1866
  Language: English   Document Type: Journal Paper (JP)
  Treatment: General, Review (G)
  Abstract: Computers in Physics has reconstructed its **home** **page** to make information more readily obtainable. We now include **product** **reviews** , a section on frequently asked questions, **links** to our Internet Goldmines, and a **logo** contest. Our **home** **page** continues to include the CIP interactive New **Products** **database** with a WAIS search engine. You can look for specific product types without leaving the Web environment, provided your browser is forms-capable. You are still able to request information electronically on new products. Along with the interactive **products** **database** , the CIP **home** **page** contains an events calendar, a preview of the next issue, supplementary information from advertisers, instructions for submitting new **products** , **names** and addresses of our department editors, and more. We plan to increase the number of **product** **reviews** and provide news reports in the future. Information such as author guidelines and source code, which were previously available only by telnet and FTP, are now available through our **home** **page** . Readers who are not yet on the World Wide Web can still get information by telnet and FTP. (0 Refs)

14/7/10   (Item 4 from file: 2)

02201395   INSPEC Abstract Number: C84010823, D84000590
 Title: The problems of evaluating and servicing small office computers
  Author(s): Farmer, P.C.F.
  Journal: Electronic Technology   vol.18, no.2   p.25-8
  Publication Date: Feb. 1984   Country of Publication: UK
  CODEN: ETSTDN   ISSN: 0141-061X
  Language: English   Document Type: Journal Paper (JP)
  Treatment: General, Review (G)
  Abstract: The microcomputer market place is beginning to mature and
stabilise. It is now possible for a customer to purchase a computer system
to run his business with reasonable confidence from a large range of
products and suppliers. Currys Micro-Systems Limited (CMS) was launched in
1980 as a small business systems **marketing   company** . Within the Currys
group CGS Master care provided all service support across the range, both
white and brown goods, but computers were a new venture. The requirement
was for one year on-**site** service support under warranty with engineers
providing installation. The problems of **product** evaluation, performance/
 specification , technical support, and micro servicing experienced by CMS
and the solutions to these problems show that it is possible for a
traditional brown goods service company to move into the microcomputer
service industry and for it to employ traditional brown goods engineers. (
0 Refs)

 14/7/11   (Item 1 from file: 61)

02174092   9706074
Library and Information Science Abstracts (LISA)
**Marketing, credit information via Dun and Bradstreet's Desktop Solution for
 Windows.**
JOURNAL: Information Today
SOURCE: 14 (3) Mar 97, p.10.
PUBLICATION DATE: Mar 97 -- 19970300

ABSTRACT: Dun and Bradstreet (D and B) is providing desktop access to its
  marketing and credit information through one PC software package, Desktop
  Solutions for Windows. The software helps companies to generate sales
  leads; assess a company's credit worthiness; monitor accounts for
  significant business changes and if necessary place claims for
  collections; conduct research for planning; search for potential
  suppliers and business partners; identify and **link** related companies
  within the US and over the world; and target US companies by SIC Code,
  geographic location and **company** size. **Marketing   information**
  includes **company   name** , address, telephone number, DUNS Number, SIC
  Codes, sales volume, employee size, year started, and up to 15 executive
 names per **company** . Access to D and B Worldbase offers more than 42
  million businesses worldwide with corporate linkage to identify related
  divisions and subsidiaries of multinationals. GLC.

 14/7/12   (Item 2 from file: 61)

02162216   9607883
Library and Information Science Abstracts (LISA)
MarketEdge cuts rates on investment data.
AUTHOR(S): O'Leary, M.
JOURNAL: Information Today
SOURCE: 13 (3) Mar 96, p.12-14.
PUBLICATION DATE: Mar 96 -- 19960300

ABSTRACT: Reviews MarketEdge, an investment service from Thomson Financial
   Services. It gathers several kinds of investment-related data from
   Thomson divisions and other producers. It has a simple, easily-used GUI
   and provides some data in graphical form. It is readily accessible at its
   Web   site , on Microsoft Network, or on CompuServe. Describes financial
   market news; **company   information** ; mutual fund information; bond
   information; bulletin boards; and MarketEdge Online. GLC.

14/7/13   (Item 3 from file: 61)
DIALOG(R)File   61:LISA(LIBRARY&INFOSCI)

02113034   9005465
Library and Information Science Abstracts (LISA)
**Problemy povysheniya effektivnosti informatsionnogo obespecheniya stadii
zhiznennogo tsikla produktsii. Improving the effectiveness of information
provision to the individual stages of the production cycle.**
AUTHOR(S): Strakov, N.N.
JOURNAL: Nauchno- Tekhnicheskaya Informatsiya
SOURCE: Series 1 (9) 1989, 2-4. illus
PUBLICATION DATE: 1989 -- 19890000

ABSTRACT: Discusses the role of marketing information and of advertising
   under the new economic conditions of self-financing. Marketing
   information falls into 3 categories: the actual marketing; advertising
   information ; and **product   information** . Marketing and advertising
   information should provide connecting **links** between **companies** and
   market . Examines the effectiveness of individual types of advertising
   and shows that film advertising is more effective than leaflet
   distribution. It is advisable to set up interdisciplinary data banks on
   business organisations and their products. Z.H.

14/7/14   (Item 1 from file: 239)
DIALOG(R)File 239:MathSci(R)

02935989 CR 87050332
The micro to mainframe connection.
Brumm, Penn
Publ: TAB Books, Blue Ridge Summit, PA
1986, 212 pp. ISBN: 0-8306-2637-9
Price: $15.95
Language: English
Document Type: Book
Journal Announcement: 2805
Subfile: CR (Computing Reviews) ACM
Abstract Length: long (56 lines)
   In the Introduction, the author states that this text is intended for
novice business managers. To that end, the author provides the reader with
`` . . . enough detail . . . to grasp what is involved, but not so much that
you'll be overwhelmed.'' Given this orientation, this review considers the
text in terms of its appropriateness for the nontechnical business manager,
as opposed to the technical person with whom the manager supposedly will be
communicating.
   In order to present the material in a casual, more-or-less tutorial
fashion, the author adopts a first-person, conversational style of writing.
Although this style is somewhat unusual in technical writing, it is
consistent with the author's intent to present technical material in an
unintimidating style. Unfortunately, the presentation is marred by very
crudely generated graphics, especially considering the intended audience of
managers who expect relatively high-quality presentations.
   In eight chapters, the author leads the reader from a single bit to
high-speed digital networks. Throughout these chapters, the author provides
the reader with countless questions to ask not only the reader's technical
support people, but also product vendors. (At this point, one is reminded
of the adage, ``A little knowledge is a dangerous thing. . . .'' A reader

should remember that knowing the right questions is not nearly as important as understanding the answers.) In passing, it also seems appropriate to note that this text assumes a decidedly IBM and IBM-compatible orientation for both micro and mainframe products, to the virtual exclusion of almost all other equipmentvendors.

While the text spends a great deal of time explaining industry buzzwords, it also seems compelled to introduce a few of its own. For example, the term ``link'' is coined to describe the entire hardware and software interface between micros and mainframes. Since this generic collection of products is frequently referenced, it is understandable that the author elects to use a shorthand term to describe it. However, what does seem somewhat inappropriate is that by introducing new terms into an area already awash with industry ``standard'' buzzwords, the author is not helping to bridge the communications gap between managers and technical personnel.

In addition to the material contained in the formal chapters, the appendices, which compose almost one-third of the text, are mostly little more than vendor or product lists. While this may be helpful to neophyte computer managers, such lists are quickly outdated, especially in a rapidly changing industry such as telecommunications. However, one rather unique appendix identifies **trademarked product names** with a vendor, which could provide a manager with a missing ``**link** .''

Overall, the text is an acceptable introduction to data communications for the nontechnical manager. While it does not provide the reader with the ability to act upon many of the issues discussed, it does allow the manager to understand the problem.
Reviewer: W. T. Neumann Phoenix, AZ
Review Type: Signed Review

 14/7/15   (Item 1 from file: 233)
DIALOG(R)File 233:Microcomputer Abstracts
(c) 1998 Information Today Incl. All rts. reserv.

00471114   97IE09-008
 Whose Web site is it anyway? -- Protecting the investment you've made in a Web site is often not difficult, but it is essential.
 Evans, James
 Internet World , September 1, 1997 , v8 n9 p46-50, 4 Page(s)
 ISSN: 1064-3923
 Discusses   issues   of   intellectual   property,   including   copyrights, trademarks, and trade secrets, that have arisen with the growing popularity of the Internet. Points out that it is important for owners of **Web   sites** to protect their own intellectual property without infringing on the rights of others. Notes, however, that laws governing the Internet are still indefinite. Suggests that some basic protective measures may include: registering **company   names** and domain names as **trademarks** ; constantly enforcing **trademark** rights; tracking **sites** that **link** to your pages; registering   copyrights   through   the   U.S.   Copyright   Office;   including copyright notices on the **Web** site ; not using others' copyrighted material; immediately removing any copyrighted material you are using, if asked by its owner; getting permission before linking to another **site** ; and using technological barriers to stop others from taking your information. Includes two screen displays and one list of references. (kgh)

 14/7/16   (Item 2 from file: 233)
DIALOG(R)File 233:Microcomputer Abstracts
(c) 1998 Information Today Incl. All rts. reserv.

00442107   96MD11-001
 Medical hardware & software buyers' guide
 M.D. Computing , November 1, 1996 , v13 n6 p485-576, 92 Page(s)
 ISSN: 0724-6811
 Presents a buyers' guide to medical computing hardware and software. Features an alphabetical list of vendors and an alphabetical list of **products** by **trade** **names** of **products** in the following categories: CD-ROMs;   online   services;   management   systems;   hardware;   application

software; and indexes. Operating systems are indicated for each product, and lists of e-mail addresses and **Web** **sites** are included. Includes photos. (dpm)

14/7/17   (Item 3 from file: 233)
DIALOG(R)File 233:Microcomputer Abstracts

00429447   96WW07-011
  Risk of having a site: **being mocked -- Big firms look to protect their good names**
    Murphy, Kathleen
    WebWeek , July 8, 1996 , v2 n9 p19, 22, 2 Page(s)
    ISSN: 1081-3071
    Company Name: APDI; Delahaye Group
    Product Name: TrueSite; Cyber Image
    Focuses on issues of fraud, **trademark** infringement, and brand-name protection on the Internet. Reports that TrueSite ($2,500 per year), developed by APDI of Camp Springs, MD, vouches for the authenticity of a brand's **Web** site , where users who click on the TrueSite **logo** can search an online registry of verified **URLs** , with a validation message being displayed to the user. Indicates that companies are learning that they have to take action against knock-offs and are assigning legal resources to track down nuisance **sites** . Explains that **Web** **sites** can express their opinions freely, but they cannot use **company** **logos** and **names** . Notes that the Web can inspire frank, factual discussion that is more real-world than a focus group, and says that Cyber Image from Delahaye Group can provide companies with daily reports based on what people are saying about a company in online newsgroups and other forums. Includes one screen display. (jo)

14/7/18   (Item 4 from file: 233)
DIALOG(R)File 233:Microcomputer Abstracts

00427440   96WW06-101
  Naming a Web service? You'd better hurry up
    Gardner, Elizabeth
    WebWeek , June 17, 1996 , v2 n8 p1, 10, 2 Page(s)
    ISSN: 1081-3071
    Reports that the search for good and unique **names** for companies, **products** , and services has become very difficult because of the increasing popularity of the Web. Says even naming companies are having difficulties, with some 80 to 90 percent of the names they generate legally unavailable. Explains that a naming company typically creates a list of ideas before validating these through a search of **trademark** and business news databases. Adds that Web-based postings, **sites** , products, and services take up a great number of names which are not registered. Also says these names accrue common-law rights based on their use on the Web. Includes a screen display. (dpm)

14/7/19   (Item 5 from file: 233)
DIALOG(R)File 233:Microcomputer Abstracts

00405700   95NG12-015
  A frenzy of festive favors -- Something for every Webhead on your list
    Easton, Jaclyn
    NetGuide , December 1, 1995 , v2 n12 p82-88, 6 Page(s)
    ISSN: 1078-4632
    Presents a guide to electronic shopping sources that are available at Internet **sites** . Features **descriptions** , prices, **company** phone numbers, and addresses for gift items that should appeal to Net surfers and Web watchers everywhere. Includes a wide range of products such as wearing apparel, books, license plate frames, eyewear, and watches all with

Internet **logos** and themes, as well as hardware and software products. Includes eight photos and two screen displays. (CH)

14/7/20   (Item 6 from file: 233)
DIALOG(R)File 233:Microcomputer Abstracts
(c) 1998 Information Today Incl. All rts. reserv.

00372010   95LK01-009
   Questel-Orbit unveils WWW server
    LINK-UP , January 1, 1995 , v12 n1 p10, 1 Page(s)
    ISSN: 0739-988X
    Company Name: Questel-Orbit
    Announces that Questel-Orbit (800) has released the Questel-Orbit World Wide Web (WWW) server ($NA) on the Internet. Says Questel-Orbit is an international online **information company** specializing in patent, **trademark** , chemical, sci-tech, business, and news information. The WWW server offers information on Questel-Orbit's database offerings and capabilities; and has hypertext **links** for searching. (LDS)

14/7/21   (Item 7 from file: 233)
DIALOG(R)File 233:Microcomputer Abstracts
(c) 1998 Information Today Incl. All rts. reserv.

00274166   92IT04-042
   MicroPatent donates patent technology centers
    Information Today , April 1, 1992 , v9 n4 p30, 1 Page(s)
    ISSN: 8755-6286
    Company Name: MicroPatent
    Product Name: Patent Technology Centers
    Announces that MicroPatent has decided to donate its Patent Technology Centers, a computerized, CD ROM-based strategic intelligence and general research tool for researching information on U.S. and European patents as well as those from the Patent Cooperation Treaty (PCT), to the US Patent and **Trademark** Depository Library **sites** in Connecticut, New York and California. Say Libraries provide complete copies of U.S., European and PCT patent as well as immediate access upon publication (or issuance, in case of US patents). Says also that the Patent Technology Center comprises of a computer station with laser printer and CD-ROM drive as well as subscriptions to MicroPatent's CD ROM-based patent **information products** . (PAM)

14/7/22   (Item 1 from file: 6)
DIALOG(R)File   6:NTIS
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1528469 NTIS Accession Number: PB91-151217/XAB
 National Occupational Health Survey of Mining: Feldspar Report, September 12, 1990
   National Inst. for Occupational Safety and Health, Morgantown, WV. Div. of Respiratory Disease Studies.
   Corp. Source Codes: 050438009
   12 Sep 90   50p
   Languages: English
   Journal Announcement: GRAI9113
   NTIS Prices: PC A03/MF A01
   Country of Publication: United States
   The report provides data concerning potential occupational exposures of workers involved in the mining of feldspar. Three sample sites were selected from the active feldspar mining facilities. All three were surveyed between July and August, 1987. The report identifies potential exposures and provides the associated numbers of workers, the occupations of those workers, and the locations on the mining property where the potential exposures were observed. Products and conditions to which workers were potentially exposed included the following: seven Mine Safety and Health Administration (MSHA) regulated chemicals; one chemical that has a

NIOSH recommended exposure limit but which is not regulated by MSHA; 13
chemicals with no NIOSH or MSHA limits; 98 trade name products; two
physical agent conditions; four musculoskeletal overload conditions; and
four welding processes. Estimated annual usage information is provided for
chemical substances, both generic and trade names.

14/7/23   (Item 2 from file: 6)
DIALOG(R)File   6:NTIS
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1522972 NTIS Accession Number: PB91-152900/XAB
 **National Occupational Health Survey of Mining. Marble (Crushed and
Broken) Report**
   National Inst. for Occupational Safety and Health, Morgantown, WV. Div.
of Respiratory Disease Studies.
   Corp. Source Codes: 050438009
   12 Sep 90   46p
   Languages: English
   Journal Announcement: GRAI9111
   See also PB90-184276.
   NTIS Prices: PC A03/MF A01
   Country of Publication: United States
   The report provided data concerning potential occupational exposures of
workers involved in the mining of marble, crushed and broken. Three sample
sites were selected from the marble mining population of active facilities.
The report identified potential exposures and provided the associated
numbers of workers, the occupations of those workers, and the locations on
the mining property where the potential exposures were observed. The
products and conditions to which workers were potentially exposed included:
three Mine Safety and Health Administration (MSHA) regulated chemicals; two
chemicals with a NIOSH Recommended Exposure Limit but not regulated by
MSHA; three chemicals without NIOSH or MSHA limits; 87 trade name products;
four physical agent conditions; 12 musculoskeletal overload conditions; and
two welding processes. Estimated annual usage information was provided for
chemical substances, both generic and trade name.

14/7/24   (Item 3 from file: 6)
DIALOG(R)File   6:NTIS
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1522971 NTIS Accession Number: PB91-152892/XAB
 National Occupational Health Survey of Mining. Lithium Report
   National Inst. for Occupational Safety and Health, Morgantown, WV. Div.
of Respiratory Disease Studies.
   Corp. Source Codes: 050438009
   24 Sep 90   63p
   Languages: English
   Journal Announcement: GRAI9111
   NTIS Prices: PC A04/MF A01
   Country of Publication: United States
   The report provides data concerning the potential occupational exposures
of individuals involved in the mining of lithium. Four sample sites were
selected from the active lithium mining facilities. All four were surveyed
between July 18 and July 27, 1988. Potential exposures and the associated
numbers of workers, the occupations of those workers, and the locations on
the mining property where the potential exposures were observed were
identified. The products and conditions to which workers were potentially
exposed included: three Mine Safety and Health Administration (MSHA)
regulated chemicals; one chemical with a NIOSH recommended exposure limit
which is not regulated by MSHA; three chemicals with no NIOSH or MSHA
limits; 152 trade name products; two physical agent conditions; seven
musculoskeletal overload conditions; and four welding processes.

14/7/25   (Item 4 from file: 6)
DIALOG(R)File   6:NTIS

1520520 NTIS Accession Number: PB91-152876/XAB
 National Occupational Health Survey of Mining. Barite Report, September 24, 1990
   National Inst. for Occupational Safety and Health, Morgantown, WV. Div. of Respiratory Disease Studies.
   Corp. Source Codes: 050438009
   24 Sep 90   47p
   Languages: English
   Journal Announcement: GRAI9110
   NTIS Prices: PC A03/MF A01
   Country of Publication: United States
   The report provides data concerning the potential occupational exposure of individuals involved in the mining of barite. Five sample sites were selected from the active barite mining facilities. All of these five sites were surveyed between June 1988 and May 1989. The report identifies potential exposures and provides the associated numbers of workers, the occupations of those workers, and the locations on the mining property where the potential exposures were observed. Products and conditions to which workers were potentially exposed included six Mine Safety and Health Administration (MSHA) regulated chemicals, one chemical with a NIOSH recommended exposure limit but no MSHA limit, six chemicals that have no NIOSH or MSHA limit, 87 trade name products, four physical agent conditions, 12 musculoskeletal overload conditions, and three welding processes. Estimated annual usage information is provided for chemical substances, both generic and trade name.

   14/7/26   (Item 5 from file: 6)
DIALOG(R)File   6:NTIS

1497525 NTIS Accession Number: PB91-107888/XAB
 National Occupational Health Survey of Mining. Sandstone (Dimension) Report
   National Inst. for Occupational Safety and Health, Morgantown, WV. Div. of Respiratory Disease Studies.
   Corp. Source Codes: 050438009
   2 Feb 90   56p
   Languages: English
   Journal Announcement: GRAI9102
   NTIS Prices: PC A04/MF A04
   Country of Publication: United States
   The report prepared by the National Occupational Health Survey of Mining presents statistics concerning safety at three sites selected from the sandstone (dimension) population of active mining facilities in the United States. All of the sites were surveyed between July and December of 1987. Information on products and conditions to which workers were potentially exposed was provided in tabular form. For the sandstone commodity there were two Mine Safety and Health Administration (MSHA) regulated chemicals, one chemical that had a NIOSH recommended exposure limit but that was not MSHA regulated, three chemicals that had no NIOSH recommended exposure limit and were not MSHA regulated, 122 trade name products, four physical agent conditions, nine musculoskeletal overload conditions, and seven welding processes. The number of workers potentially exposed to each product or condition was included, and information was provided on the occupations of potentially exposed workers and locations where workers had potential exposure. For each chemical, an estimate of the annual usage was made.

   14/7/27   (Item 6 from file: 6)
DIALOG(R)File   6:NTIS

1497523 NTIS Accession Number: PB91-107862/XAB
 National Occupational Health Survey of Mining. Kyanite Report

National Inst. for Occupational Safety and Health, Morgantown, WV. Div. of Respiratory Disease Studies.
  Corp. Source Codes: 050438009
  22 Mar 90   64p
  Languages: English
  Journal Announcement: GRAI9102
  NTIS Prices: PC A04/MF A04
  Country of Publication: United States
    The report prepared by the National Occupational Health Survey of Mining presented statistics concerning safety in kyanite facilities (SIC-1459). Three kyanite facilities were surveyed in February, 1988; another site was inactive at the time of the survey. Information on products and conditions to which workers were potentially exposed was provided in tabular form. For the kyanite commodity there were 16 Mine Safety and Health Administration (MSHA) regulated chemicals, two chemicals that had NIOSH recommended exposure limits but that are not regulated by MSHA, ten chemicals that had neither NIOSH nor MSHA recommended exposure limits, 119 trade name products, five physical agent conditions, ten musculoskeletal overload conditions, and five welding processes. The number of workers potentially exposed to each product or condition was included, and information was provided on the occupations of potentially exposed workers and locations where workers had potential exposure. For each chemical, an estimate of the annual usage was made.

  14/7/28   (Item 7 from file: 6)
DIALOG(R)File   6:NTIS

1497522 NTIS Accession Number: PB91-107854/XAB
  National Occupational Health Survey of Mining. Potash Report
    National Inst. for Occupational Safety and Health, Morgantown, WV. Div. of Respiratory Disease Studies.
  Corp. Source Codes: 050438009
  20 Dec 89   308p
  Languages: English
  Journal Announcement: GRAI9102
  NTIS Prices: PC A14/MF A14
  Country of Publication: United States
    The report prepared by the National Occupational Health Survey of Mining (NOHSM) presented statistics concerning safety in the potash population of active mining facilities. Eight sampling sites were selected from the active potash community. Six of these were surveyed between January 1984 and June 1985. The other two sites were not surveyed. Information on products and conditions to which workers were potentially exposed was provided in tabular form. For the potash commodity there were 17 Mine Safety and Health Administration (MSHA) regulated chemicals, three chemicals that had NIOSH recommended exposure limits but that were not regulated by MSHA, 15 chemicals that had no NIOSH or MSHA recommended exposure limits, 850 trade name products, six physical agent conditions, 12 musculoskeletal system overload conditions, and 13 welding processes. The number of workers potentially exposed to each product or condition was included, and information was provided on the occupations of potentially exposed workers and locations where workers had potential exposure. For each chemical, an estimate of the annual usage was made.

  14/7/29   (Item 8 from file: 6)
DIALOG(R)File   6:NTIS

1497520 NTIS Accession Number: PB91-107839/XAB
  National Occupational Health Survey of Mining. Mica Report
    National Inst. for Occupational Safety and Health, Morgantown, WV. Div. of Respiratory Disease Studies.
  Corp. Source Codes: 050438009
  2 Feb 90   38p
  Languages: English

The report prepared by the National Occupational Health Survey of Mining presents statistics concerning safety at three sites selected from the active mica mining facilities in the United States. All of the sites were surveyed between July and August of 1987. Information on products and conditions to which workers were potentially exposed was provided in tabular form. For the mica commodity, there were two Mine Safety and Health Administration (MSHA) regulated chemicals, one chemical that had a NIOSH recommended exposure limit but that was not regulated by MSHA, five chemicals which were not regulated by NIOSH or MSHA, 64 trade name products, four physical agent conditions, five musculoskeletal overload conditions, and two welding processes. The number of workers potentially exposed to each product or condition was included, and information was provided on the occupations of potentially exposed workers and locations where workers had potential exposure. For each chemical, an estimate of the annual usage was made.

14/7/30   (Item 9 from file: 6)
 National Occupational Health Survey of Mining Sodium Compounds Report
The report presents statistics concerning safety in the facilities mining sodium compounds. Four sampling sites were selected from the sodium compounds commodity active mining sites. All four were surveyed in July and August of 1985. Information on products and conditions to which workers were potentially exposed was provided in tabular form. For the sodium commodity there were 12 Mine Safety and Health Administration (MSHA) regulated chemicals, two chemicals that had National Institute for Occupational Safety and Health (NIOSH) recommended exposure limits but that were not regulated by MSHA, 11 chemicals that had no NIOSH or MSHA recommended exposure limits, 1110 trade name products, eight physical agent conditions, 12 musculoskeletal system overload conditions, and 14 welding processes. The number of workers potentially exposed to each product or condition was included, and information was provided on the occupations of potentially exposed workers and location where workers had potential exposure. For each chemical, an estimate of the annual usage was made.

14/7/31   (Item 10 from file: 6)
 National Occupational Health Survey of Mining Marble (Dimension) Report
The investigation concerned working conditions and identification of potential hazards at two marble (dimension) mining sites surveyed between August and September of 1987. The report identified potential exposures and

provided the associated numbers of workers, the occupation of those workers
and the location on the mine property where the potential exposures were
observed. The information was presented in the form of seven tables: four
concerned chemical agents; one concerned musculoskeletal overload
conditions; one concerned physical exposure conditions; and one concerned
welding processes. Estimated annual usage information was provided for
chemical substances, both generic and trade names. There were 41 identified
trade named products. Physical agents to which these workers were exposed
included noise, segmental body vibration, temperature, and whole body
vibration. Musculoskeletal overload conditions included awkward lifting;
strain to the shoulder, forearm, and arm; stress to fingers and hands;
heavy lifting; lower limb stress; strain to the neck and/or back regions;
prone or supine lying; standing; sitting; and wrist activity. Three welding
operations were noted: arc cutting, shield metal arc welding, and oxyfuel
gas cutting.

14/7/32   (Item 11 from file: 6)
DIALOG(R)File   6:NTIS
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1448282 NTIS Accession Number: PB90-180167/XAB
 National Occupational Health Survey of Mining: Gemstones Report
   National Inst. for Occupational Safety and Health, Morgantown, WV. Div.
of Respiratory Disease Studies.
   Corp. Source Codes: 050438009
   27 Apr 88   44p
   Languages: English
   Journal Announcement: GRAI9010
   NTIS Prices: PC A03/MF A01
   Country of Publication: United States
   Data on potential exposures chemical and physical agents was gathered for
the National Occupational Health Survey of Mining for the gemstones
commodity. Two gemstones mines were surveyed for the report. Nine chemicals
were found on mine property for which regulations were imposed by the Mine
Safety and Health Administration (MSHA). Three chemicals were found on site
which had no NIOSH or MSHA exposure limits. Trade name products found on
mine property were listed. Potential exposures to noise, process related
temperature, and whole body vibration were noted. Seven musculoskeletal
conditions were identified which could result in complications for the
workers: sitting; standing; prone or supine lying; heavy lifting; finger
and hands; neck and/or back; and the forearm, arm, and shoulder. Three
welding processes were used in the sites: shield metal arc welding, arc
welding, and oxyfuel gas cutting. Annual usage estimates were provided for
generic and tradename chemicals.

14/7/33   (Item 1 from file: 434)
DIALOG(R)File 434:Scisearch(R) Cited Ref Sci
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13226414   Genuine Article#: NY959   Number of References: 0
                                    (NO REFS KEYED)
**Title: GASOLINE-CONTAMINATED GROUND-WATER AS A SOURCE OF RESIDENTIAL
    BENZENE EXPOSURE - A CASE-STUDY**
Author(s): LINDSTROM AB; HIGHSMITH VR; BUCKLEY TJ; PATE WJ; MICHAEL LC
Corporate Source: US EPA,ATMOSPHER RES & EXPOSURE ASSESSMENT LAB/RES
    TRIANGLE PK//NC/27711
Journal: JOURNAL OF EXPOSURE ANALYSIS AND ENVIRONMENTAL EPIDEMIOLOGY, 1994
, V4, N2 (APR-JUN), P183-195
ISSN: 1053-4245
Language: ENGLISH   Document Type: ARTICLE
Abstract: In a private residence using gasoline-contaminated ground water
    (approximately 300 mug/l benzene), a series of experiments were
    performed to assess the potential benzene exposures that may occur in
    the shower stall, bathroom, master bedroom, and living room as a result
    of a single 20-min. shower. Integrated fixed **site** SUMMA(TM)-polished
    canister and Tenax GC(R) air samples were collected in the target

microenvironments over 20, 60, and 240 min. periods. These results were compared with the long-term personal Tenax GC(R) samples (6 h) and grab samples collected with glass, gas-tight syringes at 0, 10, 18, 20, 25, 25.5, and 30 min. Maximum benzene concentrations occurred in the shower stall (758-1670 mug/m3) and bathroom (366-498 mug/m3) during and immediately after the shower. Inhalation exposures in the shower stall during the 20-min. shower were 2.1-4.9 times higher than corresponding 20-min. bathroom exposures. The total benzene dose resulting from the shower was estimated to be approximately 281 mug, with 40% via inhalation and 60% via the dermal pathway. This total is 2 to 3.5 times higher than the mean inhalation dose received during a concurrent 6 h occupation of the house. These results indicate that domestic use of gasoline-contaminated water can produce relatively high benzene exposures that vary significantly according to an individual's proximity to the water use zone. The information in this document has been funded wholly or in part by the U.S. Environmental Protection Agency. It has been subjected to Agency review and approved for publication. Mention of **trade names** or commercial **products** does not constitute endorsement or recommendation for use. The entire experiment was reviewed and approved by the Research Triangle Institute Human Subjects Review Committee.

14/7/34   (Item 1 from file: 99)
DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs
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1488658 H.W. WILSON RECORD NUMBER: BAST96033867
Customer-driven engineering
Deitz, Dan;
Mechanical Engineering v. 118 (May '96) p. 68-71
DOCUMENT TYPE: Feature Article ISSN: 0025-6501

ABSTRACT: As more **companies** start to **market products** and distribute **data** over the Internet, engineers are searching for ways to utilize available **information** to improve **product** development. All over the world, manufacturers are launching World Wide Web **home pages** to market their products. Setting up an Internet-based system utilizing a variety of possible tools could help engineers who desire more customer-driven departments. One such tool is the **product** -data -management system, which allows sales people to access engineering databases to display and configure products, when coupled with a web browser. Manufacturers are increasingly utilizing CAD graphics to market their products on the web. Companies will be able to accumulate databases of customer information collected at web servers allocated to electronic commerce, if such electronic commerce does evolve.

14/7/35   (Item 2 from file: 99)
DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs
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1131429 H.W. WILSON RECORD NUMBER: BAST93063597
Managing manufacturing history
Noaker, Paula;
Manufacturing Engineering v. 111 (Nov. '93) p. 75-6+
DOCUMENT TYPE: Feature Article ISSN: 0361-0853

ABSTRACT: The use of historical or current engineering information as a competitive weapon is considered. More U.S. manufacturers need to leverage their information asset, states Bill Copeland of Sherpa in California, a manufacturer of **product information** management software. For example, if design and manufacturing engineers can retrieve and utilize prior engineering designs, less than a third of a new product's components may require designing from step one. Implementing an information management system is not easy, according to Jerry Hitchcock of Magnetek. Hitchcock maintains that in order to reduce time to **market** , many **companies** are using flexible manufacturing ideas such as just-in-time, but processing

needs differ from one plant to another. Consequently, each **site** may need
its own manufacturing information management solution.
?pause
>>> PAUSE started.
?

?show files;ds
File 344:Chinese Patents ABS Apr 1985-1998/Mar
        (c) 1998 European Patent Office
File 348:EUROPEAN PATENTS 1978-1998/Feb W9
        (c) 1998 EUROPEAN PATENT OFFICE
File 347:JAPIO Oct 1976-1997/Oct.(UPDATED 980217)
        (c) 1998 JPO & JAPIO
File 351:DERWENT WPI 1963-1998/UD=9810;UP=9807;UM=9805
        (c)1998 Derwent Info Ltd

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Set     Items    Description
S1      10704    (PRODUCT? OR MERCHANDISE OR CATALOG?)(2N)(NUMBER? ? OR COD-
                 E? ?) OR UNIFORM?()PRODUCT?()CODE? OR UPC OR STANDARD?()INDUS-
                 TRIAL?()CLASSIFICATION?()CODE? OR SIC?()CODE?
S2       6297    WEB()BROWSER? OR BROWSER? OR NETSCAPE? OR EXPLORER? OR CLI-
                 ENT()PROGRAM? OR LYNX? OR MOSAIC
S3        372    UNIVERSAL?()RESOURCE?()LOCAT?R? OR U()R()L? ? OR URL? ? OR
                 UNIFORM?()RESOURCE? OR WEB()ADDRESS? OR INTERNET?(2N)ADDRESS?
                 OR RESOURCE? ?(2N)ADDRESS?(4N)INTERNET?
S4     331178    LINK? ? OR SITE? ? OR WEB()SITE? ? OR WEBSITE? OR WEB?()PA-
                 GE? OR INTERNET?()PAGE? OR HOME()PAGE? OR HOMEPAGE?
S5      19143    (PRODUCT? OR COMPANY?)(2N)(INFORMATION? OR DATA? OR NAME? -
                 OR DESCRIPTION? OR SPECIFICATION? OR REVIEW? ?) OR COUPON? ?
S6      36503    TRADE?()MARK? OR TRADEMARK? OR TRADE?()NAME? OR TRADENAME?
                 OR LOGO? OR COMPAN?(2N)(MARK? OR EMBLEM?)
S7         12    S2 AND S3 AND S4 AND S5 AND S6
S8         14    S3 AND S4 AND S5 AND S6
S9        564    S4 AND S5 AND S6
S10        11    S4(S)S5(S)S6
S11       493    (SEARCH? OR ENTER? OR TYPE?)(2W)S6
S12         3    S2 AND S11
S13        27    S7 OR S8 OR S10 OR S12
S14        27    IDPAT (sorted in duplicate/non-duplicate order)
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?t14/3,k/all

 14/3,K/1   (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00903706
ORDER fax of complete patent from KR SourceOne. See HELP ORDER348
Acrylic resin composition for color filter
Acrylharzzusammensetzung fur Farbfilter
Composition de resine acrylique pour filtre colore
PATENT ASSIGNEE:
  NIPPON OIL CO. LTD., (464181), 3-12, 1-chome Nishi-Shinbashi, Minato-ku
    Tokyo, (JP), (applicant designated states:
    AT;BE;CH;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)
  DAI NIPPON PRINTING CO., LTD., (281130), 1-1, Ichigaya-Kaga-Cho 1-chome,
    Shinjuku-ku, Tokyo-to, (JP), (applicant designated states:
    AT;BE;CH;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)
INVENTOR:
  Hirayama, Takayuki, Nippon Oil.,Ltd., Central Techn. Res. Lab., 8,
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  Tanimoto, Junichiro, Nippon Oil.,Ltd., Central Techn. Res. Lab., 8,
    Chidoricho, Naka-ku, Yokohama-shi, Kanagawa-ken, (JP)
  Otsuki, Yutaka, Nippon Oil.,Ltd., Central Techn. Res. Lab., 8,
    Chidoricho, Naka-ku, Yokohama-shi, Kanagawa-ken, (JP)
  Ando, Masayuki, Dai Nippon Printing Co., Ltd., 1-1, Ichigaya Kaga-cho
    1-chome, Shinjuku-ku, Tokyo, (JP)
LEGAL REPRESENTATIVE:
  Weisert, Annekate, Dipl.-Ing. Dr.-Ing. et al (12881), Patentanwalte Kraus
    Weisert & Partner Thomas-Wimmer-Ring 15, 80539 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 825239 A2 980225 (Basic)
APPLICATION (CC, No, Date):   EP 97114318 970819;
PRIORITY (CC, No, Date): JP 96221105 960822
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU;
  MC; NL; PT; SE

INTERNATIONAL PATENT CLASS: C09D-133/06; C09D-004/06; C09D-005/44;
  G02B-005/22
ABSTRACT WORD COUNT: 82

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
      CLAIMS A (English) 9809   234
      SPEC A   (English) 9809   7867
Total word count - document A   8101
Total word count - document B   0
Total word count - documents A + B   8101

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...SPECIFICATION light-shielding layer thereon produced in Example 12
  (referred to as substrate 1 hereinbelow).
     Positive **type** photoresist (**trade   name** "OFPR-800" manufactured by
  TOKYO OHKA KOGYO CO., LTD.) was applied over the substrate 1...

...of 2.2 (mu)m. Next, the coating film was exposed to light via a **mosaic**
  -patterned photomask wherein each light-transmitting portion is larger
  than the space between the light...water, dried, and heated at 120
  (degree)C for 10 minutes. Through these process, a **mosaic** patterned
  red-hued layer was formed on the substrate. Next, another **mosaic**
  pattern was formed adjacent to this **mosaic** patterned red-hued layer by
  light exposure and development, and a **mosaic** patterned green-hued layer
  was formed by electrodepositing and heating the colored coating material
  G...

 14/3,K/2   **(Item 2 from file: 348)**
DIALOG(R)File 348:EUROPEAN PATENTS
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00902393
ORDER fax of complete patent from KR SourceOne. See HELP ORDER348
Universal directory service
Universeller Rufnummerauskunftsdienst
Service d'annuaire universel
PATENT ASSIGNEE:
  AT&T Corp., (589370), 32 Avenue of the Americas, New York, NY 10013-2412,
     (US), (applicant designated states:
     AT;BE;CH;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)
INVENTOR:
  Stuntebeck, Peter H., 113 Woodbine Ave., Little Silver, New Jersey 07739,
     (US)
  Bulfer, Andrew Frederick, 85 Boulevard, Mountain Lakes, New Jersey 07046,
     (US)
LEGAL REPRESENTATIVE:
  KUHNEN, WACKER & PARTNER (100051), Alois-Steinecker-Strasse 22, 85354
     Freising, (DE)
PATENT (CC, No, Kind, Date): EP 823809 A2 980211 (Basic)
APPLICATION (CC, No, Date):   EP 97112082 970715;
PRIORITY (CC, No, Date): US 689212 960806
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU;
  MC; NL; PT; SE
INTERNATIONAL PATENT CLASS: H04M-003/50;
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      CLAIMS A (English) 9807   1005
      SPEC A   (English) 9807   3086
Total word count - document A   4091
Total word count - document B   0
Total word count - documents A + B   4091

...ABSTRACT more data sources to provide directory information to a user.
  The UDS also provides supplemental **information** such as **company**   **name**
  , **logo** , and specialty. The UDS can be accessed via numerous
  communication channels including the internet, on...

...SPECIFICATION telephone number, a pager number, a personal reach service
  number, an e-mail address, a **home**   **page**   **URL** , a personal
  communications service (PCS) number, and a secretary/reach telephone
  number.
    Obtaining this information...

...e-mail address, and mailing address of certain individuals associated
  with AT&T, among other **information** such as **company** organizational
 information and the individual's work location and room number.
    Looking for the communication addresses of...

...accomplishments, business hours, prices, organizational charts,
  responsibilities of the individual within the company, and maps **logos** ,
 trademarks , and other graphical images.
    This invention provides a convenient, inexpensive, and quick way for a
  ...

...also facilitate a return to the time when business cards contained only
  a person's **name** and **company** since all of a person's communications
  addresses are available through the universal directory.
    Further...of the internet, many individuals may wish to have their
  personal e-mail address(es), **home**   **page**   **URL** , and the like listed on
  the UDS. Such information, as well as the communication addresses...

...telephone number, a pager number, a personal reach service number, an
  e-mail address, a **home**   **page**   **URL** , a personal communications service
  number, a secretary/reach telephone number, and other addresses. In this
  ...

...company, business hours, prices, organizational charts, responsibilities
  of the individual within the company, and maps, **logos** , **trademarks** ,
  and other graphical images.
    FIG. 2 shows

...CLAIMS type of business, a specialty, business hours, prices, an
      organizational chart, a map, and a **logo** .
  15. The method of claim 1 wherein said a plurality of communication
      channels comprise an...

...type of business, a specialty, business hours, prices, an organizational
      chart, a map, and a **logo** .
  28. The apparatus of claim 16 wherein said a plurality of communication
      channels comprises an...

 14/3,K/3   (Item 3 from file: 348)
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00900907
Object-oriented system, method and article of manufacture for migrating a
   client-server application
Objektorientiertes System, Verfahren und hergestellter Gegenstand zur
   Migration von einer Client-Server-Anwendung
Systeme oriente objet, procede, et article de fabrication pour migrer un
   programme client-serveur
PATENT ASSIGNEE:
  SUN MICROSYSTEMS, INC., (1392732), 2550 Garcia Avenue, Mountain View,
    California 94043-1100, (US), (applicant designated states:

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  (PE...

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    This invention generally relates to improvements in computer systems
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  User Interface (UI) and an object-oriented framework (Presentation Engine
  (PE...accordance with a preferred embodiment;
    Figure 26 illustrates the steps associated with launching an
  application **URL** in accordance with a preferred embodiment;
    Figure 27 describes the forms of a Presentation Engine...the merchant.
  HTTP or other protocols could be readily substituted for HTML without
  undue experimentation. **Information** on these **products** is available in
  T. Berners-Lee, D. Connoly, "RFC 1866: Hypertext Markup Language - 2.0...

...following areas:
  o Poor performance;
  o Restricted user interface capabilities;
  o Can only produce static **Web   pages** ;
  o Lack of interoperability with existing applications and data; and
  o Inability to scale.
    Sun...

...client-side validation, offloading appropriate processing onto the
  client for improved performance. Dynamic, real-time **Web   pages** can be
  created. Using the above-mentioned custom UI components, dynamic **Web
pages** can also be created.
    Sun's Java language has emerged as an industry-recognized language...
  e.g. simple animations, page adornments, basic games, etc.). Applets
  execute within a Java-compatible **browser** (e.g. **Netscape** Navigator) by
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The primary development task in accordance with a preferred embodiment is to...for creating an applet that enables users at client nodes to start applications from a **browser** which will be discussed in added detail below.

Figure 4 is a block diagram in...solely on presentation services and its own web access capabilities. The execution framework 724 specifically **links** the front end component 700 to the back end component 730 using event-driven message...events. An API is provided to the PE 960 framework so that a developer can **link** the UI 900 to the UI Adaptor 910.

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* The tools to connect both **client** **program** and server programs to a framework for executing them
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...of a server program component (implemented in any language that can call C) and a **client** **program** component (implemented in Java). The client component consists of a GUI and a Presentation Engine...

...installing and deploring applications, include a generalized startup applet for providing application launch from a **Web** **browser** or applet viewer.
* Centralized authentication of users.
A customizable Access Layer, installed on the server...familiar and pervasive interface.
End-users can name ICE-T applications as applets in a **Web** **browser** .

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The primary development task in an ICE-T application...
...a template for creating a startup applet that enables users to start applications from a **browser** . Chapter 3, "Configuring and Deploying ICE-T Applications" describes these tasks and tools.

Event-Driven...

...messages they want to receive. This information is registered using the createMessageHandlers () method in the **client** **program** and the createMessageHandlers () function in the server program.
Presentation Engines should include handlers for two...

...and inside ICE-T.

The User View
ICE-T applications can use a Java-enabled **Web** **browser** for client access to application execution. Although developers may choose to have applications launched outside a **browser** , a **Web** **page** presents a familiar and easy to use interface for launching applications.
The user begins by opening a **Web** **page** and clicking on the **URL** for the application she wants to run. The **URL** is the address for a **Web**

page that includes an ICE-T application startup applet. The **Web** **page** with the startup applet is loaded into the **browser** . The applet collects access information from the user. The applet contains the **URL** of the server holding the application components and the application name. This information is processed...

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* A text field where users enter a first or...

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...instance of the client Communication Library and is ready for execution in a Java-enabled **browser** or anywhere the Java Virtual Machine is installed.
  The client node·then executes the Presentation...

...handled through the ICE-T Communication Libraries in the ICE-T Communication Layer. When the **client** **program** terminates, the Application Manager closes the socket connection to the client and terminates any server...

...developers. Alternatively, a single developer can complete ICE-T development tasks in stages. Developing a **client** **program** requires making a Java Presentation Engine, connecting it to a user interface and to the...

...from the client.

ICE-T Application Building Blocks
  An ICE-T application consists of a **client** **program** and a server program communicating through a Communication Layer. The **client program** consists of:
* A GUI built with Java
* A Java Presentation Engine built using a template...
...Presentation Engine may be presented as an applet launched from an applet viewer or a **Web** **browser** , or as a standalone application.
  The server program, new or existing, is developed however the...

...Engine extends (inherits from) a Java class named PresentationEngine. All of the objects that the **client** **program** needs are either in the Presentation Engine class or called by it. ICE-T provides...presented in HTML form, like the Java API documentation, and is accessible from the following **URL** :

  file:///<ICE-T Installation Directory>/doc/api

  where <ICE-T Installation Directory> is the name...

...ICE-T installation directory is in relationship to the directory you have created.

Designing the **Client** **Program**
  Here are some design decisions to make before you develop the **client program** for an ICE-T application.
  * Using a graphical user interface (GUI) toolkit, specify and design...
...and between the Presentation Engine and server.
  * Decide what application logic to put in the **client** **program** , if any.

Decide what, if any, data processing you want the **client program** to handle. This affects whether you create event handling for data updates in the Presentation...Implementing createModel () and initializeApplication () is optional.
You do not have to use initializeApplication () unless your **client program** requires local initialization before communication is started.

Importing Packages
The pe(underscore)template imports the...

...the PresentationEngine class.

Creating a Data Model in the Presentation Engine (Optional)
Updates to the **client program** can be sent to the user interface or to the data model in the Presentation...observer list.

Handling Events
ICE-T client programs receive messages in response to external events. **Client program** developers need to specify what messages they want the Presentation Engine to receive and register...Preparing the Server Program for Communication
To prepare the server program to communication with the **client program** , the developer "plugs in" the server program to ICE-T's Communication Layer. Connecting the...

...C and the other for C++.
To enable communication between the server program and the **client program** :
* Create message handlers in the server program that are analogous to the message handlers you...of the files to those used by the server program in your application:
Build the **client program** with the following command:

 % make -f Example.mk pe
Build the server program:

 % make -f...server (user must install)
Supports HTTP connections; enables Web access and the use of a **browser** front end for executing an ICE-T application.
Note - Sun internal users can install the...
...Applets and HTML Files
Compiled Presentation Engines can run as applets in a Java-enabled **browser** . To enable users to launch ICE-T applications from a **browser** use the named ICE-T templates to:
* Create a startup applet for each application. Use...

...template.
Using the Startup Applet describes this step.
* Create a top-level HTML file with **links** to each application. This file serves as a "splash page" identifying the applications available and including **links** to an HTML file for each application. Use splashTemplate.html.
"Creating a Top-Level HTML...

...Applet
A startup applet provides a way to launch an ICE-T application from a **Web page** . The startup applet:
* Starts the HTTP access to the server
* Authenticates the user
* Starts the server program
* Downloads the Presentation Engine as an applet to the **Web page** or opens the applet in a separate user interface window (developer's choice)

You can...

...Presentation Engine in the same window. To have the Presentation Engine appear in a new **browser** window, open startAp-letDevIR. java and follow

'the instruction in the file:

Creating a Top...

...top-level HTML file, or "splash page," to present the list of available
applications with **links** to the application-level HTML pages for them.
When a user chooses a **link** , the **link** takes them to an
application-level HTML page.
    ICE-T provides a default HTML file...

...use the default file or make one of your own.
    To create a top-level **Web** **page** for listing the **links** to your
application **Web** **pages** :
    1. Copy splashTemplate.html to another file. For example:

    % cp splashTemplate.html myAppSplashPage.html
        2...
...want to include about the application(s) listed there,
        4. Supply the name and the **URL** of the application-level HTML page
    for each listed application.
        For example, if you used..:

...Copy the file to the appropriate location on your Web server.
        The result is a **Web** **page** with a **link** to the named application:

    MyApplication1
        When a user chooses this **link** , the **browser** loads an
application-level HTML page with the startup applet for the application.

    Creating Individual...

...these using HTTP to the Access Layer on the server.
    To create an application-level **Web** **page** ;
        1. Copy alDIDTemlDlate.html to another file. For example:

    % cp appTemplate.html myAppPage.html
        2...

...Authenticates the user name and password
    * Downloads the Presentation Engine as an applet in a **Web** **page**
        As part of the ...under /bin/ ice-httpd-setup.
        Before you run this server setup script, you should establish **links**
    to the cgi-b in directory and the httpd-docs directory.
        Create a symbolic **link** to the cgi-bin and httlDd-docs directories
    using the UNIX ln command.
    * Become superuser
    * Make the **links** : % in -s <absolute path to cgi-bin> /cgi-bin

        % in - s <absolute path to httpd-docs> /WWW-docs
        If you cannot create these **links** , provide the absolute path names to
    cgi. -bin and httpd-docs as arguments to the ice-httpd-setup script. If
    you have not created the **links** , you will need to change the Access
    Layer's default access properties file to specify...

...bin and httpd-docs locations. (See "Customizing the Access Layer"). If
    you have created the **links** , run ice-httpd-setup without arguments.
        From the ICE-T installation directory, run ice-httpd...

...setup performs these tasks:

    * Creates an ICE directory under the -cgi-bin directory
    * Creates a **link** to cgi -bin/ICE from the httpd-docs directory
    * Creates an application startup directory under...on your Web server. If
    you have set up the Web server, creating the symbolic **links** as
    described in "Setting up the Web Server" then you can use ExamiDle .mk
    with...

...argument:

```
% make -f Example.mk app-instal l
```
If you did not create a symbolic **link** to the cgi-bin directory as
described in "Setting up the Web Server", specify the...

...applet, the Access Layer uses the Application Manager to look up values
for server and **client   program** locations and names in appConfigFile.
Using the configuration file, the Application Manager generates an HTML
wrapper for presenting Presentation Engines as applets in a **Web**
browser execution environment. (See "Using Startup Applets and HTML
Files" for more information about how to...

...for ICE-T applications.)
To complete the last step in deploying an application to a **Web**
Browser you use one of two ways to supply application-specific values in
the HTML wrapper...

...the name of the server program
<PresentationEngine> -- specifies where the Presentation Engine
appears on the **Web   page** .
The Application Manager replaces the <Presentation Engine> tag with a
Java <applet> tag that specifies the named Presentation Engine (peClass).

3. Supply messages to return to the **browser** if user authentication
or application stamp fails.
The template contains tags for authentication failure and application
startup failure messages.
The appConfigFile contains optional tags for you to specily a **Web**
page title, headings, and text, just as you would for any **Web   page** .
The Application Manager also uses a properties file to set what
applications are returned to...C++

C Server Program Template

Default mainfbr C

ICE-T Exceptions Catalog D
ICE-T **client   program** exceptions are caught by the modules in the
Presentation Engine. The IcetExcelDtionHandler generates exception
messages. It issues warnings and errors by printing messages to the Java
console in a **Netscape** Navigator environment, or to the terminal where
Java was started (in the case of the...

...errors by printing messages to the application logfile if the
application is launched from a **browser** or to stdout if the application
is run standAlone.
Here is a sample message:

ICET...

...CLAIMS server for a distributed system as recited in claim 1, including
a template for a **client   program** that includes a client
communication library.
3. The server for a distributed system as recited in claim 1, including a
template for a **client   program** that includes an user-extensible
model.
4. The server for a distributed system as recited in claim 1, including a
template for a **client   program** that includes an user-extensible
user interface adaptor.
5. The server for a distributed system...

...recited in claim 10, including facilitating migration of computer
applications utilizing a template for a **client   program** that
includes a client communication library.
12. The method for distributing computing between a server...

...system coupled by a network as recited in claim 11, wherein the template
for a **client   program** includes an user-extensible model.

13. The method for distributing computing between a server computer...

...system coupled by a network as recited in claim 10, wherein the template
   for a **client   program** includes an user-extensible user interface
   adaptor.
14. The method for distributing computing between a...enabling a
   distributed computer system as recited in claim 19, including a
   template for a **client   program** that includes a client
   communication library.

 14/3,K/4   (Item 4 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00900906
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**Systeme   oriente   objet,   procede   et   article   de   fabrication   pour   une
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PATENT ASSIGNEE:
   SUN MICROSYSTEMS, INC., (1392732), 2550 Garcia Avenue, Mountain View,
      California 94043-1100, (US), (applicant designated states:
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INVENTOR:
   Gish, Sherri L., 822 DeVoto Street, Mountain View, California 94043, (US)
LEGAL REPRESENTATIVE:
   Kindermann, Manfred (6412), Patentanwalt, Sperberweg 29, 71032 Boblingen,
      (DE)
PATENT (CC, No, Kind, Date): EP 822490 A2 980204 (Basic)
APPLICATION (CC, No, Date):   EP 97110836 970701;
PRIORITY (CC, No, Date): US 673006 960701
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  Program for Communication
     To prepare the server program to communication with the **client
 program** , the developer "plugs in" the server program to ICE-T's
  Communication Layer. Connecting the...

...C and the other for C++.
     To enable communication between the server program and the **client
 program** :
  * Create message handlers in the server program that are analogous to the
  message handlers you...of the files to those used by the server program
  in your application:
     Build the **client program** with the following command:

   % make -f Example.mk pe
   Build the server program:

   % make -f...server (user must install)
     Supports HTTP connections; enables Web access and the use of a **browser**
  front end for executing an ICE-T application.
     Note - Sun internal users can install the...
...Applets and HTML Files

Compiled Presentation Engines can run as applets in a Java-enabled **browser** . To enable users to launch ICE-T applications from a **browser** use the named ICE-T templates to:
* Create a startup applet for each application. Use...

...template.
Using the Startup Applet describes this step.
* Create a top-level HTML file with **links** to each application. This file serves as a "splash page" identifying the applications available and including **links** to an HTML file for each application. Use splashTemplate.html.
"Creating a Top-Level HTML...

...Applet
A startup applet provides a way to launch an ICE-T application from a **Web**   **page** . The startup applet:
* Starts the HTTP access to the server
* Authenticates the user
* Starts the server program
* Downloads the Presentation Engine as an applet to the **Web**   **page** or
.opens the applet in a separate user interface window (developer's choice)

You can...

...Presentation Engine in the same window. To have the Presentation Engine appear in a new **browser** window, open startAp-letDevIR. java and follow the instruction in the file:

Creating a Top...

...top-level HTML file, or "splash page," to present the list of available applications with **links** to the application-level HTML pages for them. When a user chooses a **link** , the **link** takes them to an application-level HTML page.
ICE-T provides a default HTML file...

...use the default file or make one of your own.
To create a top-level **Web**   **page** for listing the **links** to your application **Web**   **pages** :
1. Copy splashTemplate.html to another file. For example:

% cp splashTemplate.html myAppSplashPage.html
2...
...want to include about the application(s) listed there.
4. Supply the name and the **URL** of the application-level HTML page for each listed application.
For example, if you used...

...Copy the file to the appropriate location on your Web server.
The result is a **Web**   **page** with a **link** to the named application:
MyApplicationl
When a user chooses this **link** , the **browser** loads an application-level HTML page with the startup applet for the application.

Creating Individual...

...these using HTTP to the Access Layer on the server.
To create an application-level **Web**   **page** :
1. Copy alDIDTemlDlate.html to another file. For example:

% cp appTemplate.html myAppPage.html
2...

...Authenticates the user name and password
* Downloads the Presentation Engine as an applet in a **Web**   **page**
As part of ...under /bin/ice-httpd-setup.
Before you run this server setup script, you should establish **links** to the cgi-b in directory and the httpd-docs directory.

Create a symbolic **link** to the cgi-bin. and httlDd-docs directories
using the UNIX ln command.
* Become superuser
* Make the **links** : % in -s <absolute path to cgi-bin> /cgi-bin

  % in - s <absolute path to httpd-docs> /WWW-docs
  If you cannot create these **links** , provide the absolute path names to
cgi -bin and httpd-docs as arguments to the ice-httpd-setup script. If
you have not created the **links** , you will need to change the Access
Layer's default access properties file to specify...

...bin and httpd-docs locations. (See "Customizing the Access Layer"). If
you have created the **links** , run ice-httpd-setup without arguments.
  From the ICE-T installation directory, run ice-httpd...

...setup performs these tasks:

* Creates an ICE directory under the -cgi-bin directory
* Creates a **link** to cgi -bin/ICE from the httpd-docs directory
* Creates an application startup directory under...on your Web server. If
you have set up the Web server, creating the symbolic **links** as
described in "Setting up the Web Server" then you can use ExamiDle .mk
with...

...argument: % make -f Example.mk app-instal l
  If you did not create a symbolic **link** to the cgi-bin directory as
described in "Setting up the Web Server", specify the...

...applet, the Access Layer uses the Application Manager to look up values
for server and **client** **program** locations and names in appConfigFile.
Using the configuration file, the Application Manager generates an HTML
wrapper for presenting Presentation Engines as applets in a **Web**
browser execution environment. (See "Using Startup Applets and HTML
Files" for more information about how to...

...for ICE-T applications.)
  To complete the last step in deploying an application to a **Web**
Browser you use one of two ways to supply application-specific values in
the HTML wrapper...

...the name of the server program
    <PresentationEngine> -- specifies where the Presentation Engine
appears on the **Web** **page** .
  The Application Manager replaces the <Presentation Engine> tag with a
Java <applet> tag that specifies the named Presentation Engine (peClass).

  3. Supply messages to return to the **browser** if user authentication
or application stamp fails.
  The template contains tags for authentication failure and application
startup failure messages.
  The appConfigFile contains optional tags for you to specily a **Web**
page title, headings, and text, just as you would for any **Web** **page** .
  The Application Manager also uses a properties file to set what
applications are returned to...C++

C Server Program Template

Default mainfbr C

ICE-T Exceptions Catalog D
  ICE-T **client** **program** exceptions are caught by the modules in the
Presentation Engine. The IcetExcelDtionHandler generates exception
messages. It issues warnings and errors by printing messages to the Java
console in a **Netscape** Navigator environment, or to the terminal where
Java was started (in the case of the...

...errors by printing messages to the application logfile if the
application is launched from a **browser** or to stdout if the application

```
 is run standAlone.
    Here is a sample message:

   ICET...


 14/3,K/5      (Item 5 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00900905
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```

Object-oriented system, method and article of manufacture for a client-server system with a client program cache

Objektorientiertes System, Verfahren und hergestellter Gegenstand für ein Client-Server-System mit einem Client-Anwendungscache

Systeme oriente objet, procede et article de fabrication pour un systeme client-serveur, avec un cache pour les applications client

```
PATENT ASSIGNEE:
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    California 94043-1100, (US), (applicant designated states:
    AT;BE;CH;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)
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    (DE)
PATENT (CC, No, Kind, Date):  EP 822489  A2  980204 (Basic)
APPLICATION (CC, No, Date):   EP 97110835 970701;
PRIORITY (CC, No, Date): US 675232 960701
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU;
  MC; NL; PT; SE
INTERNATIONAL PATENT CLASS: G06F-009/46; G06F-009/44;
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Available Text   Language    Update     Word Count
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        SPEC A    (English)  9806       22742
Total word count - document A           23810
Total word count - document B               0
Total word count - documents A + B      23810

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```

Object-oriented system, method and article of manufacture for a client-server system with a client program cache

```
...ABSTRACT The client and server programs are loosely coupled and exchange
   information using the network. The client  program  is composed of a
   User Interface (UI) and an object-oriented framework (Presentation Engine
   (PE...

...SPECIFICATION of the patent document, or the patent disclosure, as it
   appears in the Patent and Trademark  Office.

   Field of the Invention
      This invention generally relates to improvements in computer systems
   and...The client and server programs are loosely coupled and exchange
   information using the network. The client  program  is composed of a
   User Interface (UI) and an object-oriented framework (Presentation Engine
   (PE...accordance with a preferred embodiment;
      Figure 26 illustrates the steps associated with launching an
   application URL  in accordance with a preferred embodiment;
      Figure 27 describes the forms of a Presentation Engine...the merchant.
   HTTP or other protocols could be readily substituted for HTML without
   undue experimentation. Information  on these products  is available in
   T. Berners-Lee, D. Connoly, "RFC 1866: Hypertext Markup Language - 2.0...
```

...following areas:
  o Poor performance;
  o Restricted user interface capabilities;
  o Can only produce static **Web   pages** ;
  o Lack of interoperability with existing applications and data; and
  o Inability to scale.
    Sun...

...client-side validation, offloading appropriate processing onto the
client for improved performance. Dynamic, real-time **Web   pages** can be
created. Using the above-mentioned custom UI components, dynamic **Web
pages** can also be created.
    Sun's Java language has emerged as an industry-recognized language...
e.g. simple animations, page adornments, basic games, etc.). Applets
execute within a Java-compatible **browser** (e.g. **Netscape** Navigator) by
copying code from the server to client. From a language standpoint,
Java's...

...difficult to create, configure, deploy and administer software
applications. However, the advent of Web technologies (**browsers** , the
Java language and HTTP) has enabled enterprises to create and use
internal Webs to...

...with a Graphical User Interface (GUI). The template includes Java
classes which will allow the **client   program** to communicate with the
server program. Scripts and tools for installing and deploying
applications, include a generalized startup applet for application launch
from a **Web   browser** or applet viewer.
    The primary development task in accordance with a preferred embodiment
is to...for creating an applet that enables users at client nodes to
start applications from a **browser** which will be discussed in added
detail below.
    Figure 4 is a block diagram in...solely on presentation services and
its own web access capabilities. The execution framework 724 specifically
links the front end component 700 to the back end component 730 using
event-driven message...events. An API is provided to the PE 960 framework
so that a developer can **link** the UI 900 to the UI Adaptor 910.

(2) Extend the PE Framework Template (960...First, the developer defines
the message events 1450 that must be exchanged between components. The
client   program 1410 and server program 1420 are defined as
applications 1430 on the Server Node 1420...

...to understand network communication or system programming in order to
design and implement applications. The **client   program** can be designed
to support efficient presentation services. The DBMS interface is
encapsulated in the...it difficult to create, configure, deploy, and
administer software applications. The advent of Web technologies (
browsers , the Java language, HTTP) has enabled enterprises to create and
use internal Webs to help...

...program to work with a client as a single application
  * The tools to connect both **client   program** and server programs to a
framework for executing them
  * Tools for installing, deploying, and administering...

...of a server program component (implemented in any language that can call
C) and a **client   program** component (implemented in Java). The client
component consists of a GUI and a Presentation Engine...

...installing and deploying applications, include a generalized startup
applet for providing application launch from a **Web   browser** or applet
viewer.
  * Centralized authentication of users.
    A customizable Access Layer, installed on the server...familiar and
pervasive interface.
    End-users can name ICE-T applications as applets in a **Web   browser** .

ICE-T Application Development and Deployment
   The primary development task in an ICE-T application...
...a template for creating a startup applet that enables users to start
applications from a **browser** . Chapter 3, "Configuring and Deploying
ICE-T Applications" describes these tasks and tools.

Event-Driven...

...messages they want to receive. This information is registered using the
createMessageHandlers () method in the **client   program** and the
createMessageHandlers ()function in the server program.
   Presentation Engines should include handlers for two...

...and inside ICE-T.

The User View
   ICE-T applications can use a Java-enabled **Web   browser** for client
access to application execution. Although developers may choose to have
applications launched outside a **browser** , a **Web   page** presents a
familiar and easy to use interface for launching applications.
   The user begins by opening a **Web   page** and clicking on the **URL** for
the application she wants to run. The **URL** is the address for a **Web
page** that includes an ICE-T application startup applet. The **Web   page**
with the startup applet is loaded into the **browser** . The applet collects
access information from the user. The applet contains the **URL** of the
server holding the application components and the application name. This
information is processed...

...either to the server program or to its own data model. One example of a
client   program is one that communicates with a server program that
searches a database, for example an employee database. Such a **client
program** might have these user interface elements:
   * A text field where users enter a first or...

...enters a first or last name and presses Return or clicks a Search
button. The **client   program** sends the query to the server, where the
server program searches the employee database for...

...HTTP. The server manages this Web connection. ICE-T applications can be
launched from a **browser** , an applet viewer, or as standalone
applications. Figure 26 illustrates the steps associated with launching
an application **URL** in accordance with a preferred embodiment. On the
server side, the ICE-T Access Layer...

...instance of the client Communication Library and is ready for execution
in a Java-enabled **browser** or anywhere the Java Virtual Machine is
installed.
   The client node then executes the Presentation...

...handled through the ICE-T Communication Libraries in the ICE-T
Communication Layer. When the **client   program** terminates, the
Application Manager closes the socket connection to the client and
terminates any server...

...developers. Alternatively, a single developer can complete ICE-T
development tasks in stages. Developing a **client   program** requires
making a Java Presentation Engine, connecting it to a user interface and
to the...

...from the client.

ICE-T Application Building Blocks
   An ICE-T application consists of a **client   program** and a server
program communicating through a Communication Layer. The **client
program** consists of:
   * A GUI built with Java
   * A Java Presentation Engine built using a template...

...Presentation Engine may be presented as an applet launched from an applet viewer or a **Web   browser** , or as a standalone application. The server program, new or existing, is developed however the...

...Engine extends (inherits from) a Java class named PresentationEngine. All of the objects that the **client   program** needs are either in the Presentation Engine class or called by it. ICE-T provides...presented in HTML form, like the Java API documentation, and is accessible from the following **URL** :

   file:///<ICE-T Installation Directory>/doc/api

   where <ICE-T Installation Directory> is the name...

...ICE-T installation directory is in relationship to the directory you have created.

   Designing the **Client   Program**
   Here are some design decisions to make before you develop the **client program** for an ICE-T application.
   * Using a graphical user interface (GUI) toolkit, specify and design...
...and between the Presentation Engine and server.
   * Decide what application logic to put in the **client   program** , if any.

   Decide what, if any, data processing you want the **client   program** to handle. This affects whether you create event handling for data updates in the presentation...Implementing createModel () and initializeApplication () is optional.
   You do not have to use initializeApplication () unless your **client program** requires local initialization before communication is started.

   Importing Packages
   The pe(underscore)template imports the...

...the PresentationEngine class.

   Creating a Data Model in the Presentation Engine (Optional)
   Updates to the **client   program** can be sent to the user interface or to the data model in the Presentation...observer list.

   Handling Events
   ICE-T client programs receive messages in response to external events. **Client   program** developers need to specify what messages they want the Presentation Engine to receive and register...Preparing the Server Program for Communication
   To prepare the server program to communication with the **client program** , the developer "plugs in" the server program to ICE-T's Communication Layer. Connecting the...

...C and the other for C++.
   To enable communication between the server program and the **client program** :
   * Create message handlers in the server program that are analogous to the message handlers you...of the files to those used by the server program in your application:
   Build the **client   program** with the following command:

   % make -f Example.mk pe
   Build the server program:

   % make -f...server (user must install)
   Supports HTTP connections; enables Web access and the use of a **browser** front end for executing an ICE-T application.
   Note - Sun internal users can install the...
...Applets and HTML Files
   Compiled Presentation Engines can run as applets in a Java-enabled **browser** . To enable users to launch ICE-T applications from a **browser** use the named ICE-T templates to:

* Create a startup applet for each application. Use...

...template.
    Using the Startup Applet describes this step.
 * Create a top-level HTML file with **links** to each application. This
file serves as a "splash page" identifying the applications available and
including **links** to an HTML file for each application. Use
splashTemplate.html.
    "Creating a Top-Level HTML...

...Applet
    A startup applet provides a way to launch an ICE-T application from a
Web page . The startup applet:
 * Starts the HTTP access to the server
 * Authenticates the user
 * Starts the server program
 * Downloads the Presentation Engine as an applet to the **Web page** or
opens the applet in a separate user interface window (developer's choice)

    You can...

...Presentation Engine in the same window. To have the Presentation Engine
    appear in a new **browser** window, open startAp-letDevIR. Java and follow
    the instruction in the file:

    Creating a Top...

...top-level HTML file, or "splash page," to present the list of available
    applications with **links** to the application-level HTML pages for them.
    When a user chooses a **link** , the **link** takes them to an
    application-level HTML page.
    ICE-T provides a default HTML file...

...use the default file or make one of your own.
    To create a top-level **Web page** for listing the **links** to your
    application **Web pages** :
      1. Copy splashTemplate.html to another file. For example:

    % cp splashTemplate.html myAppSplashPage.html
      2...
...want to include about the application(s) listed there.
      4. Supply the name and the **URL** of the application-level HTML page
    for each listed application.
      For example, if you used...

...Copy the file to the appropriate location on your Web server.
    The result is a **Web page** with a **link** to the named application:

    MyApplication1
    When a user chooses this **link** , the **browser** loads an
    application-level HTML page with the startup applet for the application.

    Creating Individual...

...these using HTTP to the Access Layer on the server.
    To create an application-level **Web page** :
      1. Copy alDIDTemlDlate.html to another file. For example:

    % cp appTemplate.html myAppPage.html
      2...

...Authenticates the user name and password
  * Downloads the Presentation Engine as an applet in a **Web page**
    As ...under /bin/ice-httpd-setup.
    Before you run this server setup script, you should establish **links**
  to the cgi-b in directory and the httpd-docs directory.
    Create a symbolic **link** to the cgi-bin and httlDd-docs directories
  using the UNIX ln command.

* Become superuser
* Make the **links** : % in -s <absolute path to cgi-bin> /cgi-bin

  % in - s <absolute path to httpd-docs> /WWW-docs
    If you cannot create these **links** , provide the absolute path names to
cgi -bin and httpd-docs as arguments to the ice-httpd-setup script. If
you have not created the **links** , you will need to change the Access
Layer's default access properties file to specify...

...bin and httpd-docs locations. (See "Customizing the Access Layer"). If
you have created the **links** , run ice-httpd-setup without arguments.
    From the ICE-T installation directory, run ice-httpd...

...setup performs these tasks:

* Creates an ICE directory under the -cgi-bin directory
* Creates a **link** to cgi -bin/ICE from the httpd-docs directory
* Creates an application startup directory under...on your Web server. If
you have set up the Web server, creating the symbolic **links** as
described in "Setting up the Web Server" then you can use ExamiDle .mk
with...

...following argument:

  % make -f Example.mk app-install
    If you did not create a symbolic **link** to the cgi-bin directory as
described in "Setting up the Web Server", specify the...

...applet, the Access Layer uses the Application Manager to look up values
for server and **client** **program** locations and names in appConfigFile.
Using the configuration file, the Application Manager generates an HTML
wrapper for presenting Presentation Engines as applets in a **Web**
browser execution environment. (See "Using Startup Applets and HTML
Files" for more information about how to...

...for ICE-T applications.)
    To complete the last step in deploying an application to a **Web**
Browser you use one of two ways to supply application-specific values in
the HTML wrapper...

...the name of the server program
    <PresentationEngine> -- specifies where the Presentation Engine
appears on the **Web** **page** .
    The Application Manager replaces the <Presentation Engine> tag with a
Java <applet> tag that specifies the named Presentation Engine (peClass).

    3. Supply messages to return to the **browser** if user authentication
or application stamp fails.
    The template contains tags for authentication failure and application
startup failure messages.
    The appConfigFile contains optional tags for you to specify a **Web**
page title, headings, and text, just as you would for any **Web** **page** .
    The Application Manager also uses a properties file to set what
applications are returned to...C++

C Server Program Template

Default mainfbr C

ICE-T Exceptions Catalog D
    ICE-T **client** **program** exceptions are caught by the modules in the
Presentation Engine. The IcetExcelDtionHandler generates exception
messages. It issues warnings and errors by printing messages to the Java
console in a **Netscape** Navigator environment, or to the terminal where
Java was started (in the case of the...

...errors by printing messages to the application logfile if the
application is launched from a **browser** or to stdout if the application

```
is run standAlone.
   Here is a sample message:

  ICET...

...CLAIMS segment.
  2. The server for a distributed system as recited in claim 1, including a
       link  to application development tools from the graphical user
       interface application.
  3. The server for a...

...tools.
  6. The server for a distributed system as recited in claim 1, including a
       link  to execution administration tools from the graphical user
       interface application.
  7. The server for a...

...a client computer system coupled by a network as recited in claim 9,
       including a link  to application development tools from the
       graphical user interface application.
  11. A method for distributing...

...a client computer system coupled by a network as recited in claim 9,
       including a link  to execution administration tools from the
       graphical user interface application.
  15. A method for distributing...
...readable medium for enabling a distributed computer system as recited in
       claim 15, including a link  to application development tools from
       the graphical user interface application.
  19. ...readable medium for enabling a distributed computer system as
       recited in claim 15, including a link  to execution administration
       tools from the graphical user interface application.
  23. The server for a...
```

 14/3,K/6   (Item 6 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00900904
ORDER fax of complete patent from KR SourceOne. See HELP ORDER348
**Object-oriented system, method and article of manufacture for a
   client-server application enabler system**
**Objektorientiertes System, Verfahren und hergestellter Gegenstand fur ein
   Client-Server-Anwendungermachtigungssystem**
**Systeme oriente objet, procede, et article de fabrication pour un systeme
   de validation d'applications client-serveur**
PATENT ASSIGNEE:
  SUN MICROSYSTEMS, INC., (1392732), 2550 Garcia Avenue, Mountain View,
     California 94043-1100, (US), (applicant designated states:
     AT;BE;CH;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)
INVENTOR:
  Gish, Sherri L., 822 DeVoto Street, Mountain View, California 94043, (US)
LEGAL REPRESENTATIVE:
  Kindermann, Manfred (6412), Patentanwalt, Sperberweg 29, 71032 Boblingen,
     (DE)
PATENT (CC, No, Kind, Date): EP 822488 A2 980204 (Basic)
APPLICATION (CC, No, Date):   EP 97110834 970701;
PRIORITY (CC, No, Date): US 675235 960701
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU;
  MC; NL; PT; SE
INTERNATIONAL PATENT CLASS: G06F-009/46;
ABSTRACT WORD COUNT: 223

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
   ·   CLAIMS A (English) 9806   862

```
    SPEC A    (English) 9806      22730
Total word count - document A     23592
Total word count - document B         0
Total word count - documents A + B   23592
```

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

...ABSTRACT The client and server programs are loosely coupled and exchange information using the network. The **client   program** is composed of a User Interface (UI) and an object-oriented framework (Presentation Engine (PE...

...SPECIFICATION of the patent document, or the patent disclosure, as it appears in the Patent and **Trademark** Office.

Field of the Invention
   This invention generally relates to improvements in computer systems and...The client and server programs are loosely coupled and exchange information using the network. The **client   program** is composed of a User Interface (UI) and an object-oriented framework (Presentation Engine (PE...accordance with a preferred embodiment;
    Figure 26 illustrates the steps associated with launching an application **URL** in accordance with a preferred embodiment;
    Figure 27 describes the forms of a Presentation Engine...the merchant. HTTP or other protocols could be readily substituted for HTML without undue experimentation. **Information** on these **products** is available in T. Berners-Lee, D. Connoly, "RFC 1866: Hypertext Markup Language - 2.0...

...following areas:
  o Poor performance;
  o Restricted user interface capabilities;
  o Can only produce static **Web   pages** ;
  o Lack of interoperability with existing applications and data; and
  o Inability to scale.
    Sun...

...client-side validation, offloading appropriate processing onto the client for improved performance. Dynamic, real-time **Web   pages** can be created. Using the above-mentioned custom UI components, dynamic **Web pages** can also be created.
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...difficult to create, configure, deploy and administer software applications. However, the advent of Web technologies (**browsers** , the Java language and HTTP) has enabled enterprises to create and use internal Webs to...

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    The primary development task in accordance with a preferred embodiment is to...for creating an applet that enables users at client nodes to start applications from a **browser** which will be discussed in added detail below.
    Figure 4 is a block diagram in...solely on presentation services and its own web access capabilities. The execution framework 724 specifically **links** the front end component 700 to the back end component 730 using event-driven message...events. An API is provided to the PE 960 framework so that a developer can **link** the UI 900 to the UI Adaptor 910.

(2) Extend the PE Framework Template (960...the Web technologies in an Internet, Intranet or other network environment to distribute Client 1330

site information to the Client node. The Server 1300 presents an encapsulated DBMS interface to the...

...First, the developer defines the message events 1450 that must be exchanged between components. The **client program** 1410 and server program 1420 are defined as applications 1430 on the Server Node 1420...

...to understand network communication or system programming in order to design and implement applications. The **client program** can be designed to support efficient presentation services. The DBMS interface is encapsulated in the...it difficult to create, configure, deploy, and administer software applications. The advent of Web technologies (**browsers** , the Java language, HTTP) has enabled enterprises to create and use internal Webs to help...

...program to work with a client as a single application
   * The tools to connect both **client program** and server programs to a framework for executing them
   * Tools for installing, deploying, and administering...

...of a server program component (implemented in any language that can call C) and a **client program** component (implemented in Java). The client component consists of a GUI and a Presentation Engine...

...installing and deploying applications, include a generalized startup applet for providing application launch from a **Web browser** or applet viewer.
   * Centralized authentication of users.
   A customizable Access Layer, installed on the server...familiar and pervasive interface.
   End-users can name ICE-T applications as applets in a **Web browser** .

ICE-T Application Development and Deployment
   The primary development task in an ICE-T application...

...a template for creating a startup applet that enables users to start applications from a **browser** . Chapter 3, "Configuring and Deploying ICE-T Applications" describes these tasks and tools.

Event-Driven...

...messages they want to receive. This information is registered using the createMessageHandlers () method in the **client program** and the createMessageHandlers () function in the server program.
   Presentation Engines should include handlers for two...

...and inside ICE-T.

The User View
   ICE-T applications can use a Java-enabled **Web browser** for client access to application execution. Although developers may choose to have applications launched outside a **browser** , a **Web page** presents a familiar and easy to use interface for launching applications.
   The user begins by opening a **Web page** and clicking on the **URL** for the application she wants to run. The **URL** is the address for a **Web page** that includes an ICE-T application startup applet. The **Web page** with the startup applet is loaded into the **browser** . The applet collects access information from the user. The applet contains the **URL** or the server holding the application components and the application name. This information is processed...

...either to the server program or to ifs own data model. One example of a **client program** is one that communicates with a server program that searches a database, for example an employee database. Such a **client program** might have these user interface elements:
   * A text field where users enter a first or...

...enters a first or last name and presses Return or clicks a Search

button. The **client program** sends the query to the server, where the server program searches the employee database for...

...HTTP. The server manages this Web connection. ICE-T applications can be launched from a **browser** , an applet viewer, or as standalone applications. Figure 26 illustrates the steps associated with launching an application **URL** in accordance with a preferred embodiment. On the server side, the ICE-T Access Layer...

...instance of the client Communication Library and is ready for execution in a Java-enabled **browser** or anywhere the Java Virtual Machine is installed.
   The client node then executes the Presentation...

...handled through the ICE-T Communication Libraries in the ICE-T Communication Layer. When the **client program** terminates, the Application Manager closes the socket connection to the client and terminates any server...

...developers. Alternatively, a single developer can complete ICE-T development tasks in stages. Developing a **client program** requires making a Java Presentation Engine, connecting it to a user interface and to the...

...from the client.

   ICE-T Application Building Blocks
   An ICE-T application consists of a **client program** and a server program communicating through a Communication Layer. The **client program** consists of:
   * A GUI built with Java
   * A Java Presentation Engine built using a template...

...Presentation Engine may be presented as an applet launched from an applet viewer or a **Web browser** , or as a standalone application.
   The server program, new or existing, is developed however the...

...Engine extends (inherits from) a Java Class named PresentationEngine. All of the objects that the **client program** needs are either in the Presentation Engine class or called by it. ICE-T provides...presented in HTML form, like the Java API documentation, and is accessible from the following **URL** :

   file:///<ICE-T Installation Directory>/doc/api

   where <ICE-T Installation Directory> is the name...

...ICE-T installation directory is in relationship to the directory you have created.

   Designing the **Client Program**
   Here are some design decisions to make before you develop the **client program** for an ICE-T application.
   * Using a graphical user interface (GUI) toolkit, specify and design...

...and between the Presentation Engine and server.
   * Decide what application logic to put in the **client program** , if any.

   Decide what, if any, data processing you want the **client program** to handle. This affects whether you create event handling for data updates in the Presentation...Implementing createModel () and initializeApplication () is optional.
   You do not have to use initializeApplication () unless your **client program** requires local initialization before communication is started.

   Importing Packages
   The pe(underscore)template imports the...

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Creating a Data Model in the Presentation Engine (Optional)
   Updates to the **client   program** can be sent to the user interface or
to the data model in the Presentation...observer list.

Handling Events
   ICE-T client programs receive messages in response to external events.
Client   program developers need to specify what messages they want the
Presentation Engine to receive and register...Preparing the Server
Program for Communication
   To prepare the server program to communication with the **client
program** , the developer "plugs in" the server program to ICE-T's
Communication Layer. Connecting the...

...C and the other for C++.
   To enable communication between the server program and the **client
program** :
* Create message handlers in the server program that are analogous to the
message· handlers you...of the files to those used by the server program
in your application:
   Build the **client   program** with the following command:

   % make -f Example.mk pe
   Build the server program:

   % make -f...server (user must install)
   Supports HTTP connections; enables Web access and the use of a **browser**
front end for executing an ICE-T application.
   Note - Sun internal users can install the...

...Applets and HTML Files
   Compiled Presentation Engines can run as applets in a Java-enabled
browser . To enable users to launch ICE-T applications from a **browser**
use the named ICE-T templates to:
* Create a startup applet for each application. Use...

...template.
   Using the Startup Applet describes this step.
* Create a top-level HTML file with **links** to each application. This
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including **links** to an HTML file for each application. Use
splashTemplate.html.
   "Creating a Top-Level HTML...

...Applet
   A startup applet provides a way to launch an ICE-T application from a
Web   page . The startup applet:
* Starts the HTTP access to the server
* Authenticates the user
* Starts the server program
* Downloads the Presentation Engine as an applet to the **Web   page** or
opens the applet in a separate user interface window (developer's choice)

   You can...

...Presentation Engine in the same window. To have the Presentation Engine
appear in a new **browser** window, open startAp-letDevIR. java and follow
the instruction in the file:

Creating a Top...

...top-level HTML file, or "splash page," to present the list of available
applications with **links** to the application-level HTML pages for them.
When a user chooses a **link** , the **link** takes them to an
application-level HTML page.
   ICE-T provides a default HTML file...

...use the default file or make one of your own.

To create a top-level **Web page** for listing the **links** to your application **Web pages** :

1. Copy splashTemplate.html to another file. For example:

```
% cp splashTemplate.html myAppSplashPage.html
```

2...

...want to include about the application(s) listed there.

4. Supply the name and the **URL** of the application-level HTML page for each listed application.

For example, if you used...

...Copy the file to the appropriate location on your Web server.

The result is a **Web page** with a **link** to the named application:

MyApplicationl

When a user chooses this **link** , the **browser** loads an application-level HTML page with the startup applet for the application.

Creating Individual...

...these using HTTP to the Access Layer on the server.

To create an application-level **Web page** :

1. Copy alDIDTemlDlate.html to another file. For example:

```
% cp appTemplate.html myAppPage.html
```

2...

...Authenticates the user name and password

* Downloads the Presentation Engine as an applet in a **Web page**

As part of the process of determining access and downloading Presentation Engines, the Access Layer...

...under /bin/ice-httpd-setup.

Before you run this server setup script, you should establish **links** to the cgi-b in directory and the httpd-docs directory.

Create a symbolic **link** to the cgi-bin and httlDd-docs directories using the UNIX ln command.

* Become superuser
* Make the **links** : % in -s <absolute path to cgi-bin> /cgi-bin

```
% in - s <absolute path to httpd-docs> /WWW-docs
```

If you cannot create these **links** , provide the absolute path names to cgi - bin and httpd-docs as arguments to the ice-httpd-setup script. If you have not created the **links** , you will need to change the Access Layer's default access properties file to specify...

...bin and httpd-docs locations. (See "Customizing the Access Layer"). If you have created the **links** , run ice-httpd-setup without arguments.

From the ICE-T installation directory, run ice-httpd...

...setup performs these tasks:

* Creates an ICE directory under the -cgi-bin directory
* Creates a **link** to cgi -bin/ICE from the httpd-docs directory
* Creates an application startup directory under...on your Web servers If you have set up the Web server, creating the symbolic **links** as described in "Setting up the Web Server" then you can use ExamiDle .mk with...

...argument:

```
% make -f Example.mk ap-instal l
```

If you did not create a symbolic **link** to the cgi-bin directory as described in "Setting up the Web Server", specify the...

...applet, the Access Layer uses the Application Manager to look up values for server and **client program** locations and names in appConfigFile.

Using the configuration file, the Application Manager generates an HTML
wrapper for presenting Presentation Engines as applets in a **Web**
browser execution environment. (See "Using Startup Applets and HTML
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    <PresentationEngine> -- species where the Presentation Engine appears
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    The Application Manager replaces the <Presentation Engine> tag with a
Java <applet> tag that specifies the named Presentation Engine (peClass).

    3. Supply messages to return to the **browser** if user authentication
or application stamp falls.
    The template contains tags for authentication failure and application
startup failure messages.
    The appConfigFile contains optional tags for you to specify a **Web**
page title, headings, and text, just as you would for any **Web** **page** .
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C Server Program Template

Default mainfbr C

ICE-T Exceptions Catalog D
    ICE-T **client** **program** exceptions are caught by the modules in the
Presentation Engine. The IcetExcelDtionHandler generates exception
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console in a **Netscape** Navigator environment, or to the terminal where
Java was started (in the case of the...

...errors by printing messages to the application logfile if the
application is launched from a **browser** or to stdout if the application
is run standAlone.
    Here is a sample message:

    ICET...

 14/3,K/7   **(Item 7 from file: 348)**
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00900903
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Object-oriented   system,   method   and   article of manufacture for a
    client-server session WEB access in an interprise computing framework
    system
Objektorientiertes System, Verfahren und hergestellter Gegenstand zum
    Webzugriff   mittels   einer   Client-Server-Sitzung   in   einem
    Unternehmens-Datenverarbeitungsrah
Systeme oriente objet, procede et article de fabrication pour une session
    client-serveur pour acceder au Web dans le cadre d'un systeme d'objets
    informatiques d
PATENT ASSIGNEE:
  SUN MICROSYSTEMS, INC., (1392732), 2550 Garcia Avenue, Mountain View,
    California 94043-1100, (US), (applicant designated states:
    AT;BE;CH;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)
INVENTOR:
  Gish, Sherri L., 822 DeVoto Street, Mountain View, California 94043, (US)
LEGAL REPRESENTATIVE:
  Kindermann, Manfred (6412), Patentanwalt, Sperberweg 29, 71032 Boblingen,
    (DE)

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...ABSTRACT The client and server programs are loosely coupled and exchange
 information using the network. The **client   program** is composed of a
 User Interface (UI) and an object-oriented framework (Presentation Engine
 (PE...

...SPECIFICATION of the patent document, or the patent disclosure, as it
 appears in the Patent and **Trademark** Office.

 Field of the Invention
   This invention generally relates to improvements in computer systems
 and...The client and server programs are loosely coupled and exchange
 information using the network. The **client   program** is composed of a
 User Interface (UI) and an object-oriented framework (Presentation Engine
 (PE...accordance with a preferred embodiment;
    Figure 26 illustrates the steps associated with launching an
 application **URL** in accordance with a preferred embodiment;
    Figure 27 describes the forms of a Presentation Engine...the merchant.
 HTTP or other protocols could be readily substituted for HTML without
 undue experimentation. **Information** on these **products** is available in
 T. Berners-Lee, D. Connoly, "RFC 1866: Hypertext Markup Language - 2.0...

...following areas:
 o Poor performance;
 o Restricted User interface capabilities;
 o Can only produce static **Web   pages** ;
 o Lack of interoperability with existing applications and data; and
 o Inability to scale.
   Sun...

...client-side validation, offloading appropriate processing onto the
 client for improved performance. Dynamic, real-time **Web   pages** can be
 created. Using the above-mentioned custom UI components, dynamic **Web
 pages** can also be created.
   Sun's Java language has emerged as an industry-recognized language...
 e.g. simple animations, page adornments, basic games, etc.). Applets
 execute within a Java-compatible **browser** (e.g. **Netscape** Navigator) by
 copying code from the server to client. From a language standpoint,
 Java's...

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 Java language and HTTP) has enabled enterprises to create and use
 internal Webs to...

...with a Graphical User Interface (GUI). The template includes Java
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The primary development task in accordance with a preferred embodiment is to...for creating an applet that enables users at client nodes to start applications from a **browser** which will be discussed in added detail below.

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Event-Driven...

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Presentation Engines should include handlers for two...

...and inside ICE-T.

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ICE-T applications can use a Java-enabled **Web browser** for client access to application execution. Although developers may choose to have applications launched outside a **browser** , a **Web page** presents a familiar and easy to use interface for launching applications.
The user begins by opening a **Web page** and clicking on the **URL** for the application she wants to run. The **URL** is the address for a **Web page** that includes an ICE-T application startup applet. The **Web page** with the startup applet is loaded into the **browser** . The applet collects access information from the user. The applet contains the **URL** of the server holding the application components and the application name. This information is processed...

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  file:/ / /<ICE-T Installation Directory>/doc/api

  where <ICE-T Installation Directory> is the name...

...ICE-T installation directory is in relationship to the directory you have created.

  Designing the **Client Program**
    Here are some design decisions to make before you develop the **client program** for an ICE-T application.
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    To prepare the server program to communication with the **client**
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    To enable communication between the server program and the **client**
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 * Create message handlers in the server program that are analogous to the
message handlers you...of the files to those used by the server.program
in your application:
    Build the **client** **program** with the following command:

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    Compiled Presentation Engines can run as applets in a Java-enabled
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 * Starts the server program
 * Downloads the Presentation Engine as an applet to the **Web** **page** or
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    You can...

...Presentation Engine in the same window. To have the Presentation Engine
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Creating a Top...

...top-level HTML file, or "splash page" to present the list of available
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When a user chooses a **link** , the **link** takes them to an
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   ICE-T provides a default HTML file...

...use the default file or make one of your own.
   To create a top-level **Web**   **page** for listing the **links** to your
application **Web**   **pages** :
      1. Copy splashTemplate.html to another file. For example:

   % cp splashTemplate.html myAppSplashPage.html
      2...
...want to include about the application(s) listed there.
      4. Supply the name and the **URL** of the application-level HTML page
   for each listed application.
      For example, if you used...

...Copy the file to the appropriate location on your Web server.
      The result is a **Web**   **page** with a **link** to the named application:

   MyApplicationl
      when a user chooses this **link** , the **browser** · loads an
application-level HTML page with the startup applet for the application.

   Creating Individual...

...these using HTTP to the Access Layer on the server.
      To create an application-level **Web**   **page** :
         1. Copy alDIDTemlDlate.html to another file. For example:

   % cp appTemplate.html myAppPage.html
      2...

...Authenticates the user name and password
   * Downloads the Presentation Engine as an applet in a **Web**   **page**
      As part of the   ...under /bin/ice-httpd-setup.
      Before you run this server setup script, you should establish **links**
   to the cgi-b in directory and the httpd-docs directory.
      Create a symbolic **link** to the cgi-bin and httlDd-docs directories
   using the UNIX ln command.
   * Become superuser
   * Make the **links** : % in -s <absolute path to cgi-bin> /cgi-bin

      % in - s <absolute path to httpd-docs> /WWW-docs
      If you cannot create these **links** , provide the absolute path names to
   cgi -bin and httpd-docs as arguments to the ice-httpd-setup script. If
   you have not created the **links** , you will need to change the Access
   Layer's default access properties file to specify...

...bin and httpd-docs locations. (See "Customizing the Access Layer"). If
   you have created the **links** , run ice-httpd-setup without arguments
      From the ICE-T installation directory, run ice-httpd...

...setup performs these tasks:

   * Creates an ICE directory under the -cgi-bin directory
   * Creates a **link** to cgi -bin/ICE from the httpd-docs directory
   * Creates an application startup directory under...on your Web server. If
   you have set up the Web server, creating the symbolic **links** as
   described in "Setting up the Web Server" then you can use ExamiDle .mk
   with...

...argument:

   % make -f Example.mk app-instal l
      If you did not create a symbolic **link** to the cgi-bin directory as
   described in "Setting up the Web Server", specify the...

...applet, the Access Layer uses the Application Manager to look up values

for server and **client** **program** locations and names in appConfigFile.
Using the configuration file, the Application Manager generates an HTML
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browser execution environment (See "Using Startup Applets and HTML
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   To complete the last step in deploying an application to a **Web**
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...the name of the server program
    <PresentationEngine> -- specifies where the Presentation Engine
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   The Application Manager replaces the <Presentation Engine> tag with a
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   3. Supply messages to return to the **browser** if user authentication
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   The template contains tags for authentication failure and application
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   The appConfigFile contains optional tags for you to specify a **Web**
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C Server Program Template

Default mainfbr C

ICE-T Exceptions Catalog D
   ICE-T **client** **program** exceptions are caught by the modules in the
Presentation Engine. The IcetExcelDtionHandler generates exception
messages. It issues warnings and errors by printing messages to the Java
console in a **Netscape** Navigator environment, or to the terminal where
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...errors by printing messages to the application logfile if the
application is launched from a **browser** or to stdout if the application
is run standAlone.
   Here is a sample message:

   ICET...

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Preserving state in stateless network protocols
Bewahrung des Systemzustandes in zustandslosen Netzprotokollen ·
Conservation d'un etat dans les protocoles sans etats
PATENT ASSIGNEE:
   INTERNATIONAL BUSINESS MACHINES CORPORATION, (200123),   , Armonk, NY
      10504, (US), (applicant designated states:
      AT;BE;CH;DE;ES;FR;GB;IT;LI;NL;SE)
INVENTOR:
   Iyengar, Arun, 1160 Park Lane, Yorktown Heights, New York 10598, (US)
LEGAL REPRESENTATIVE:
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...SPECIFICATION Internet WWW server supports clients and provides
information. The Web can be considered as the **Internet** with all of the
resources   addressed as **URLs** and which uses HTML to display the
information corresponding to **URLs** and provide a point-and-click
interface to other **URLs** .

Universal   Resource   Locator   (URL)
   A way to uniquely identify or address information on the Internet. Can
be considered to be a Web document version of an e-mail address. **URLs**
can be cumbersome if they belong to documents buried deep within others.
They can be accessed with a Hyperlink. An example of a **URL** is

   "http://www.arun.com:80/table.html". A **URL** has four components.
Starting from the left, the first specifies the protocol to use,
separated...

...this example, the ".html" extension means that this is an HTML file.

Hyperlink (or hypertext **link**)
   A network address embedded in a word, phrase, icon or picture that is
activated when...

...select it. Information about that item is returned to the client and
displayed using a **Web   browser** .

HyperText Markup Language (HTML)
   HTML is the language used by Web servers to create and...

...treated independently. The server has no record of previous connections.
At the beginning of a **URL** , "http:" indicates the file contains
hyperlinks.

Home   page
   A multi-media table of contents that guides a web user to stored
information, e.g., about an organization, on the Internet.

Web   browser
   A program running on a computer that acts as an Internet tour guide,
complete with...

...directories and search tools used when a user "surfs" the Internet. In
this application the **Web   browser** is a client service which
communicates with the World Wide Web.

HTTP Daemon (HTTPD)
   An...

...on the intranet and access to the Internet, such as TCP/IP couplings.

Continuations
   Hypertext **links** (or hyperlinks) are examples of continuations in
client-server communications. A continuation is a new...

...client always picks the next request from the set of continuations. On
the Web, hypertext **links** represent continuations and a client engages
in a conversation whenever it follows hypertext **links** .

BACKGROUND OF THE INVENTION

Networks have transformed the way people do computing. Someone with access...any of the detailed workings of the requested service or server. On the World Wide **Web** , **"browsers "** constitute client programs while the programs sending back information to the **browser** constitute server programs.

A client and server may communicate either synchronously or asynchronously. In a...   •

...Web consists of multiple servers networked together. Clients typically communicate with servers using a standard **browser** such as are sold under the **trademarks** "NETSCAPE NAVIGATOR" by **Netscape** , "MOSAIC " from NCSA, or "WEB **EXPLORER** " by IBM. The most common method of communicating between clients and servers is via the...

...tags. These tags are surrounded by greater than and less than signs (<....>) and instruct the **browser** how to interpret different parts of documents. **Browsers** use **Uniform Resource** Locators (**URLs**) to uniquely identify or address information on the Internet. **Browsers** read HTML documents corresponding to the **URLs** and display them by following the instructions stored in the markup tags.

The HTML code sequence below (Table 1) shows the HTML text corresponding to the Web **home page** of the IBM T. J. Watson Research Center on June 3, 1996. This **Web page** corresponds to the **URL** "http://www.watson.ibm.com/". The corresponding output that would be displayed on a standard **browser** accessing this page is shown in Figure 1.

Many **Web browsers** allow users to view the HTML source code of any document being viewed. The HTML...

...IBM T. J. Watson Research Center. When this Web server receives a request for the **URL**

"http://www.watson.ibm.com/", it sends the appropriate file to the client's **browser** . The client's **browser** will then read and display the HTML file. (Table 1 contains a number of relative **links** . The hypertext **links** and image files are only valid if ...the "night.gif" file in Table 1 is stored at an arbitrary location, the hypertext **links** will be invalid and the associated images will not appear.)

The line in Table 1 reading "Visitor info and local **site** directions" is an example of a hypertext **link** (also called a hyperlink). The corresponding output as it would be displayed by a standard **browser** is depicted in Figure 1. When the user clicks on this **link** as depicted in Figure 1 when displayed by the **browser** , a new HTML file, "menu.html", is fetched from the server and displayed by the **browser** . Hypertext **links** to documents on both local and remote servers can be placed in an HTML file. The ability to incorporate hyperlinks within an HTML file to **link** documents on servers all over the world is one of the key features of the World Wide Web. In other words, a **Web browser** can be used to access information from servers all over the world by simply pointing and clicking on hypertext **links** .

Recall that Hypertext **links** are examples of "continuations" in client-server communication. A continuation is a new request which...

...client always picks the next request from the set of continuations.

On the Web, hypertext **links** represent continuations and a client engages in a conversation whenever it follows hypertext **links** . A conversation is interrupted whenever the client obtains a new page by explicitly requesting a new **URL** instead of following hypertext **links** . It is possible to continue an interrupted conversation if a page corresponding to the interrupted conversation is still available to the client, e.g., in the **browser** cache or in disk memory. If so, the conversation may be continued by reloading the...
...such that 1 < i <= n, page pi was obtained by following a hypertext **link** on page pi-1.

In an uninterrupted conversation, the client simply follows n-1 hypertext **links** to get from page p1 to pn without ever "backtracking".

' In an interrupted conversation, the...

...lt;= i < n,
     2. Views other pages either by following hyperlinks or explicitly
accessing **URL** 's, and
     3. Returns to page pi by reloading pi from memory (presuming that pi
is still available).
     All requests for **URL** 's are stateless. Even if a client requests a
page multiple times, the server doesn...

...arguments via an HTML "form". An example of an HTML form as displayed by
a **Web   browser** is shown in Figure 2. The user fills in the appropriate
fields and sends the...preserving state have been noted by others, see,
e.g., "Persistent Client State HTTP Cookies", **Netscape** Communications
Corporation, 1996,

     http://home.**netscape** .com/newsref/std/cookie(underscore)spec.html; see
also, "Proposed HTTP State-Info Mechanism", D...
...the present invention preserves state without requiring changes to the
underlying protocol.
     Another solution, by **Netscape** Communications has been to add a
feature called Cookies to their **browsers** ; see "Persistent Client State
HTTP Cookies", **Netscape** Communications Corporation, 1996,

     http://home.**netscape** .com/newsref/std/cookie(underscore)spec.html.
Here, a server can satisfy an HTTP request...

...as a cookie to its response. The cookie contains a description of the
range of **URL** 's for which the state is valid. The cookie is stored by
the **Netscape   browser** running on the client. Any future HTTP requests
made by the client to one of the **URL** 's specified in the cookie will
include a transmittal of the state object stored in...

...approach. The server application which wishes to preserve state must
provide a list of all **URL** 's which might make use of the state. This is
cumbersome and may sometimes be...

...also lack a method for correlating state information with specific
conversations. For example, suppose a **browser** accesses the same **URL**
in two separate conversations. During the first conversation, state
information exists at the time the **URL** is accessed and is passed to the
server via a cookie. During the second conversation, no state information
exists at the time the **URL** is accessed. However, the old cookie still
exists and the old state is still passed...

...is that cookies are not a standard feature and will only work with
servers and **browsers** which support **Netscape** 's protocol.
     Thus, there is a need for a method and system for preserving state in a
stateless protocol which is not limited to a list of **URL** 's which need
to make use of the state information and where state information is...

...for a system of preserving state in a protocol as HTTP that works with
any **browser** supporting the HTTP protocol and doesn't require
specialized nonstandard features on the client or...information.
     In a preferred embodiment, the method allows state to be preserved
while traversing hypertext **links** using a **Web   browser** on the World
Wide Web. Hypertext **links** constitute continuations. A client **browser**
follows a conversation by following hypertext **links** to fetch new pages.
The present invention has features which preserves state variables across
any...

...wherein:
     FIG. 1 is an example of an HTML page as displayed by a standard
browser ;
     FIG. 2 depicts an example of an HTML "form" as viewed by a **Web**
browser ;
     FIG. 3 shows a block diagram of a prior art client and server using a
...

...and method step 745 of Figure 7b;
    FIG. 9a depicts a structure of a hypertext **link** to an HTML file;
    Fig. 9a' depicts the structure of Figure 9a modified to preserve state
in accordance with the present invention;
    FIG. 9b depicts a structure of a hypertext **link** to a type 1 CGI
program;
    Fig. 9b' depicts the structure of Figure 9b with...

...arguments in accordance with the present invention;
    FIG. 9c depicts a structure of a hypertext **link** to a type 2 CGI
program; and
    Fig. 9c' depicts the structure of Figure 9c...over the Internet.
Customers access the server 410' via a client 450 running a standard
browser 460. In order to communicate securely, the **'browser '** 460
should be able to communicate using SSL. See, e.g., A. O. Freier, P...
...P. C. Kocher. "The SSL Protocol Version 3.0", Internet Draft, March
1996, http://home.**netscape** .com/eng/ssl3/ssl-toc.html, which is hereby
incorporated by reference in its entirety. However, some services can be
used by **browsers** which don't support SSL. Users may browse catalogues
which may be stored on a...

...medium such as direct access storage device (DASD) 470. As with
conventional catalogues, users browse **product descriptions** and can
pick and choose which items to add to their purchase lists. When the...

...stored in the database 475. An exemplary DBMS is that sold by IBM under
the **trademark** 'DB2'. In addition, the server 410' allows users to
browse product catalogues in the course...

...to transparently maintain this state information during a conversation.
    Any client 450 may access a **'home page '** associated with the server
410' as well as view product catalogues. In order to purchase **products ,**
update customer **information** , or access certain types of information, it
is necessary for the user to provide authentification...

...410' using HTTP while preserving state. As depicted, in step 700, the
client accesses a **home page** residing on server 410'. In step 710, the
client begins browsing a product catalogue and...enter it whenever
authentication is needed.
    Recall also that using "cookies" limits the range of **URL** 's for which
state is preserved. Using cookies further lacks the ability to correlate
state...

...state information to be provided a server. Lastly, cookies require the
use of a specific **browser** and may require specialized and/or
nonstandard features on the client or server.
    Figure 8...

...Gateway Interface (CGI) capabilities 413.
    As depicted, in step 740', assume a client 450 running **Web browser**
460 selected a hyperlink to request a service via (stateless protocol)
HTTP to a Web server 410'. In step 810, the server 410' interprets the
URL , for example, as being a call to a CGI program 'p1' 415 which
determines that...

...invoked from the conversation are given access. P1 generates an HTML
page 'h' with hypertext **links** for the client 450 to continue the
conversation. Instead of returning the output, page 'h...
...steps 811 and 812, the convert1 module of the converter program modifies
all the hypertext **links** to HTML in h, to preserve the state variables.
All relative hypertext **links** are converted to absolute hypertext **links**
    (also called hyperlinks). See co-pending United States patent
application Serial Number 512205, filed August...

...absolute address conversion scheme. Those skilled in the art will
appreciate that the modification of **links** to HTML files (step 811) and
links to CGI programs (step 812) could be done in a one-pass or a two...

...module of the converter program 416 takes HTML page h and modifies all
the hypertext **links** to HTML files to preserve the state variables.
Hypertext **links** to HTML files may be modified to be a call to a CGI
program convert2...

...form depicted in Figure 9a':

   <A HREF =

   "http://www.watson.ibm.com/cgi-bin/convert2?**url**
   =//www.watson.ibm.com/mail .html&x=32&y=45">
     In step 812, the convert1 module of the converter program modifies all
the hypertext **links** to CGI programs. Note that hypertext **links** which
are calls to CGI programs may have the state variables preserved two
different ways...

...to the CGI program 940 but don't embed the state variables within any
hypertext **links** generated by the CGI program, i.e., don't embed a call
to convert2. Using this approach, the CGI program is responsible for
propagating state within hypertext **links** it generates; or
     (b) Preferably, as depicted in Figures 9c', pass the state variables
930...

...and embed the state variables (by an embedded call to the converter
920') within hypertext **links** generated by the CGI program.
     In order to take advantage of both approaches (a) and...and y=45. The
converter 416 would append the state variables 930' to the hypertext
link to the following form (as depicted in Figure 9b'):

   <A HREF="http://www.watson.ibm...

...32&y=45">

   Now consider, with reference to Figure 9c, an example of a hypertext
link to a type 2 CGI program:

   <A HREF="http://www.watson.ibm.com/cgi-bin...

...state variables 930'' are x=32 and y=45. The converter would modify this
hypertext **link** to the following form (as depicted in Figure 9c'):

   <A

   HREF="http://www.watson.ibm.com/cgi-bin/convert2?**url**
   =//www.watson.ibm.com /cgi-bin/prog&numargs=1&arg1=55&x=32&y=45...

...step 813, the client 450 receives HTML file h from the server 410'.
Every hypertext **link** (with the exception of hypertext **links** resulting
from type 1 CGI programs) returned to the client is now a call to the
convert2 routine of the converter. In step 814 the client 450 running
browser 460 selects one of the hypertext **links** . In step 815, the
server determines if the selected hypertext **link** is a call to convert2.
If yes, the process continues at step 817. In step 817, there are two
possibilities:
     (1) The **URL** passed to convert2 references an HTML file. Here, the
process continues at step 819. Suppose, for example, the client had
selected the following **link** : In step 819, convert2 fetches the HTML
page contained in the file "mail.html". It...

...converter and the process returns to step 811, as described previously.
or,
     (2) The hypertext **link** is a call to a CGI program. In this case, the
process continues to step 818. Suppose, for example, the client had
selected the following **link** :

   <A

```
  HREF="http://www.watson.ibm.com/cgi-bin/convert2?url
  =//www.watson.ibm.com /cgi-bin/prog&numargs=1&arg1=55&x=32&y=45">
```
  Here, the second argument to convert2, numargs=1, indicates that the
initial hypertext **link** only passed one argument to "prog", i.e.,
"arg1=55". The other two arguments, "x...

...between the client and server.
  The present invention is designed to work for a standard **browser** 460
which doesn't necessarily support downloading of programs from the server
which can then execute on the client. For a **browser** which supports
downloadable server programs such as those written using Java
("applets"), or any other...

...the Web might have a converter (converter A) for maintaining state. One
of the hypertext **links** might be to a hotel booking system on a remote
server with its own converter...some point, state information is attached
to the conversation. The client then follows a hypertext **link** to the
hotel booking system. Converter A continues to maintain state information
while the client...

...CGI program as discussed previously. In this case, converter A can stop
monitoring future hypertext **links** in the conversation.
    (2) Converter A could treat converter H as a type II CGI program and
continue to modify hypertext **links** . In addition, converter A could add
special **links** to future HTML pages which would allow the user to escape
from the control of...

...conversation. The server wishes to filter all HTML text and leave out
phrases and hypertext **links** which have been determined to be
objectionable. The present invention provides a method for filtering...

...text. A server 410' running a converter 416 has access to a database 475
of **home** **page** **URL** 's for major corporations. The server wishes to add
hypertext **links** each time the **name** of a **company** in the **database**
appears in an HTML page. For example, each time the name IBM or
International Business...

...in an HTML page, the server would like to convert the reference to a
hypertext **link** to IBM's **home** **page** . By doing this, the client would
be able to obtain useful information about companies appearing...

...This can be accomplished by modifying the converter 416 to search HTML
pages for all **company** **names** which appear in the database. Whenever
such a name is found, a hypertext **link** to the company's **home** **page**
would be inserted into the HTML text returned to the client. The
converter 416 can continue to monitor the conversation in the event that
hypertext **links** are followed to remote servers. As noted above, if the
client can download programs from...

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 Web   browser **allowing navigation between hypertext objects using remote**
    control
 Web - browser, **der die Navigation zwischen Hypertextobjekten mit einer**
    Abstandsbedienung ermoglicht
 Web - browser **qui permet la navigation entre objets hypertextes en**
    utilisant une commande a distance
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Available Text Language   Update   Word Count
      CLAIMS A (English) 9712W1   4576
      SPEC A   (English) 9712W1   10140
Total word count - document A   14716
Total word count - document B   0
Total word count - documents A + B   14716

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348
  Web   browser **allowing navigation between hypertext objects using remote
    control**
  Web - browser, **der die Navigation zwischen Hypertextobjekten mit einer
    Abstandsbedienung ermoglicht**
  Web - browser **qui permet la navigation entre objets hypertextes en
    utilisant une commande a distance**

...ABSTRACT A2
    Browser software implemented in a set-top box as part of a client
  system communicating over...

...or more servers allows a user to navigate using a remote control through
  World-Wide **Web   pages** in which a plurality of hypertext anchors are
  displayed on a television. A user input...

...from a remote input device is received by the client system over an
  infrared (IR) **link** . The user input specifies a direction in which the
  user wishes to move a selection....

...SPECIFICATION to name just a few. Advances in network technology, and
  especially in software such as **"Web   browsers "** (software applications
  which provide a user interface to the Web), have made the Web accessible
  ...

...unwilling to learn the basic computer skills that are required to access
  the Web. Furthermore, **Web   browsers** in the prior art generally do not
  provide the degree of user-friendliness desired by...

...them to identify hypertext objects and use the point-and-click technique
  to browse through **Web   pages** .
    Most people, however, feel quite comfortable using a remote control to
  operate a television set...

...it would be desirable for a person to be able to access and navigate
  through **Web   pages** using an ordinary television set and a remote
  control. It would further be desirable to...

...which a person can use a remote control to navigate between hypertext
  objects on a **Web   page** with minimal effort or thought, so that a
  person feels more as if he or she is simply changing television channels
  rather than utilizing a complex computer network.
    Prior art **Web   browsers** also have certain limitations in the way
  they allow a user to move between **Web   sites** . Browsing the Web can be

' thought of as moving forward and backward through various levels of a
tree hierarchy. Each level in the tree represents a **Web** **page** . Since
each **Web** **page** can have many hypertext **links** to other pages, a level
in the tree can have many branches. Selecting a hypertext...

...is analogous to moving down one level in the tree, whereas returning to
the previous **Web** **page** is analogous to moving up one level in the
tree. Prior art **Web** **browsers** generally provide a "Back" function for
moving up one level to a previously visited **Web** **page** and a "Forward"
function for moving down one level to a previously visited **Web** **page** .
There is no ambiguity for the user when moving up a level in the tree,
since there is always only one immediately prior **Web** **page** . However,
there is often ambiguity when moving down one level to a previously
visited level...

...exactly. Remembering this sequence can be an arduous task if the user
has visited many **Web** **pages** . Therefore, it would be desirable to
provide browsing functions such as "Back," "Forward," and others...
...not appropriately sized for the display being used. One prior art
solution for dealing with **Web** **pages** larger than the display is to
allow horizontal and vertical scrolling. However, it has been...

...solution to displaying oversized image maps which eliminates the need
for horizontal scrolling.
    In addition, **Web** **browsers** in the prior art have various other
disadvantages which are overcome by the present invention...system.
    Figure 1C is a block diagram of an electronics unit used to implement
a **Web** **browser** that can be operated by remote control.
    Figure 2A illustrates the functional relationship between hardware...

...the client processing system of Figure 1A.
    Figure 2B is a block diagram of the **Web** **browser** application
software of Figure 2B.
    Figure 3 illustrates a remote control for controlling the **Web**
browser .
    Figures 4A and 4B illustrates a displayed page of information
containing a number of hypertext...

...procedure for selecting an image map displayed on a display device and
for accessing a **Web** **page** represented by the image map.
    Figure 10 is a flow diagram illustrating a process for...

...present invention.
    Figure 12 illustrates an example of a display showing representations
of recently visited **Web** **sites** .

DETAILED DESCRIPTION
    A method and apparatus are described for allowing a user to navigate
between...

...will be described in greater detail below, the present invention
includes steps for implementing a **Web** **browser** that allows a user to
navigate through hypertext objects included in a World-Wide Web
(hereinafter "**Web** ") **page** using a remote control. The user is not
required to identify or locate hypertext objects...

...The WebTV(TM) box 10 is coupled to the television set 12 by a video
link 6. The video **link** 6 is an RF (radio frequency), S-video,
composite video, or other equivalent form of video **link** . The
communication **link** 29 between the WebTV(TM) box 10 and the server 5 is
either a telephone...
...WebTV(TM) box 10 receives commands from remote control 11 via an
infrared (IR) communication **link** . In alternative embodiments, the **link**
between the remote control 11 and the WebTV(TM) box 10 may be RF or...

...the like.
    As mentioned above, the WebTV(TM) box 10 includes application software
including a **Web** **browser** . Referring now to Figure 2A, the

' above-mentioned application software 31 operates in conjunction with...

...can be stored on any suitable storage medium, including magnetic or
optical storage devices.
    The **Web   browser** functions of the present invention are implemented
by application software 31. Figure 2B illustrates the...

...interface 56, a selection handler 55, and a streams manager 57. The
client system receives **Web   pages** over network connection 29 in the
form of HTML documents. Streams manager 57 controls and...

...document may include one or more "hypertext anchors," which are
displayable objects that provide a **link** to another **Web   page** .
Hypertext anchors are also sometimes referred to as "hot **links** " or "hot
spots." Each hypertext anchor is associated with a particular **URL** (
Uniform   Resource Locator) or other logical address representing the
location of the **Web   page** to which the anchor provides a **link** . The
URL may or may not be stored within the client system, as will be
discussed below...is responsible for measuring and drawing images.
    In the course of browsing through a displayed **Web   page** or between
different **Web   pages** , a user activates buttons on remote control 11,
which, in response, transmits IR signals that...

...55 determines, in response to the user inputs, which of the hypertext
anchors in a **Web   page** should be a current selection and provides a
selection indication to the user of the current selection through the
display of television set 12. Other aspects of the **Web   browser** which
are visible to the user are provided by user interface 56 based on
signals...

...Home button 35 causes the WebTV(TM) box 10 to directly access and
display the **Home   page** of the WebTV(TM) network services. Back button
3 allows the user to retrace his steps by revisiting previously-visited
Web   pages in reverse chronological order. Recent button 37 is used to
access a display indicating the most recent **Web   sites** (pages) the
user has visited. From this display, the user will be allowed to directly
revisit any of those **sites** . Scroll Up button 8 and Scroll Down button 9
are used to scroll the screen up or down, respectively, to display a
previously undisplayed portion of a **Web . page** . Direction buttons 15-18
allow the user to specify a direction of movement in order...

...control 11 sends a command to the WebTV(TM) box 10 to activate the
hypertext **link** corresponding to the currently selected hypertext   .
anchor. That is, in response to Enter button 19 being pressed, the
uniform   resource locator (**URL**) or other logical address of the
currently selected hypertext object is transmitted by the WebTV...

...of certain image maps, as will be described below) in order to access
the corresponding **Web   page** .

Hotlink Navigation
    Figure 4A illustrates an example of a **Web   page** 100 which may be
displayed by television 12 using the client system. **Web   page** 100 is a
sample **home   page** for a fictitious company, Company XYZ. **Web   page**
100 includes a number of hypertext anchors 101-115, each of which
provides a **link** to another **Web   page** that is not currently
displayed. In **Web   page** 100, hypertext anchors 101, 102, 109, 110,
111, and 115 are image maps. Hypertext anchors...
...within image map 116, which is not a hypertext anchor. Hypertext anchor
101 is the **logo** for Company XYZ. **Logo** anchor 101 may provide a **link**
, for example, to another **Web   page** which provides a history of
company XYZ. Hypertext anchor 115 may provide a **link** , for example, to
an audio stream which generates the jingle (theme song) of Company XYZ...

...be output to the user through the speaker of television 12. The
remainder of the **Web   page** 100 contains **informational** text about
Company XYZ grouped under the headings: "**Product   Information** ," "
Company News," "Personnel Profiles," "Sales Offices," and "Job

'Opportunities." Hypertext anchors 103-108 and 112-114...

...provides a means for the user to navigate between the hypertext anchors displayed on a **Web** **page**, such as **Web** **page** 100, using the remote control 11. In particular, application software 31, in response to user ...

...selection by highlighting 118. Once a hypertext anchor is selected, the user can activate its **link** to another **Web** **page** by pressing "Enter" button 19. To change the current selection, the user specifies a direction...pressing one of direction buttons 15-19 on remote control 11. Figure 4B illustrates the **Web** **page** 100 as displayed with the anchor 104 as the current selection, as indicated by highlighting...

...to an insertion sort routine. The selectables are sorted according to their positioning on the **Web** **page**, as it is to be displayed. More specifically, the list of selectables is formed according...

...selectable list at a position before any selectables which it appears higher than on the **Web** **page** ; a selectable would also be inserted into the selectable list at a position before any selectables that it appears to the left of on the **Web** **page** but have the same vertical position.
    In performing the insertion sort to generate the list...

...now to Figures 4A and 4B for example, the sorted list of selectables generated from **Web** **page** 100 would have the following order (listed by reference numeral): 101, 102, 104, 103, 105...

...a list of pointers to entries in the list of displayables. Note that in reading **Web** **page** 100 from top to bottom (in English), a person would encounter anchor 104 before encountering...

...112. Consequently, anchors 111 and 112 are considered to have the same vertical rank on **Web** **page** 100. However, since anchor 112 appears to the left of anchor 111, anchor 112 is...the current selection, as discussed below. As mentioned above, the user may activate the hypertext **link** of the current selection by pressing "Enter" button 19.
    Movement of the current selection in...is defined herein to be an image map for which the client system has a **URL** . The client system can therefore directly access any **Web** **page** to which a client-side image map is linked. In contrast, a "server-side" image...

...to be an image map which is or includes one or more hypertext anchors, the **URLs** of which are not available to the client system. That is, the information for a...

...image map is stored on one or more server systems. The client system activates a **link** to a server-side image map by transmitting the screen coordinates corresponding to that image map to one of the server systems, which in turn accesses the **URL** of the corresponding hypertext object.
    Referring again to Figure 4A, **Web** **page** 100 includes image map 116. Image map 116 includes hypertext anchors 101 and 102. Assume...

...user inputs, hypertext anchors 101 and 102 are treated as any other hypertext objects on **Web** **page** 100. That is, the selection can be moved back and forth between anchors 101 and 102, or between either of these anchors and any other anchor on **Web** **page** 100, using the direction buttons 15-18. Assume instead that image map 116 is a...

...In that case, the HTML document received by the client system does not specify the **URLs** associated with hypertext anchors 101 and 102. Therefore, the entire image map 116 is treated...connection 29 to the server system which provided the HTML document and which has the **URL** or other address of any hypertext anchors included in the server-side image map. If...

...e.g., anchor 101 or 102 in Figure 8), the server system then accesses the **Web** **page** at the corresponding **URL** or other address and

transmits an HTML document defining that **Web   page** to the client system.
As noted above, an image map may be or may include...

...determines whether the coordinates correspond to a hypertext anchor, as described above. If so, the **Web   page** at the corresponding address is retrieved and transmitted back to the client system over the...

...monitor rather than on an ordinary television set. One prior art solution for dealing with **Web   pages** larger than the display is to allow horizontal and vertical scrolling. However, it has been...

...the present invention provides a mechanism to eliminate the need for horizontal scrolling for oversized **Web   pages** . This mechanism is a scaling operation to reduce the image size of all **Web   page** elements to fit within the horizontal dimension of a television-formatted display. Since it is...

...the scaling factor is based only upon the amount of scaling necessary to fit the **Web   page** within the horizontal borders of a television display. The value of the scaling factor will...

...scrolling.
In one embodiment, the scaling operation is performed in the client 1 by the **Web   browser** . In another embodiment, the scaling is performed in the server 5, which functions as a...

...coordinates are then transmitted over the network connection 29 (step 1004) to the server system.

Web   Page by Address
The application software 31 also provides a means by which the user can access a given **Web   page** directly when the user knows the **URL** of that **Web   page** . Using remote control 11, the user accesses this feature by pressing an appropriate button, such...by the client system and displayed in window 122. Once the user enters the complete **URL** , the **URL** can be transmitted by selecting the "Return" key and then pressing "Enter" button 19. In response the client system will transmit the **URL** over network connection 29 in order to access the corresponding **Web page** .
Of course, a conventional keyboard (for example, a battery-powered IR keyboard) can be used...

...may directly enter text without the need to display a keyboard image on screen.

Revisiting **Web   Sites**
Prior art **Web   browsers** have certain limitations in the way they provide the "Forward" and "Back" functions, as described...

...of the Invention"). In particular, analogizing Web browsing to moving through a tree hierarchy of **Web   pages** , there is often ambiguity in the prior art when moving down one level (**Web   page**) in the tree hierarchy to a level that was already visited, since there may be many branches (hypertext **links**) from each level. Further, if the user wishes to return to where he was after...

...described ambiguity and providing additional functionality.
The application software 31 maintains a history of the **Web   sites** visited, including the associated logical address (e.g., **URL**) of each **site** , in order to allow the user to revisit **Web   sites** . When the user presses Recent button 4, this saved information is retrieved, and a "Recent" display is generated including visual representations of several of the most recently visited **Web   sites** , regardless of their positions in the tree hierarchy. The "Recent" display therefore represents a sequential history of **Web   sites** recently visited prior to the current **Web   site** .
Figure 12 illustrates an example of a "Recent" display. The "Recent"

'display includes a number...

...column format. The images 141-149 are scaled-down images of the most
recently visited **Web** **pages** . The user can press the directional
buttons 15-18 to select one of the recent **Web** **sites** (the selected
site being indicated by highlighting 118) and then press the Enter
button 19 to return directly to the selected **site** . Note that the user
can also directly return to the WebTV(TM) **home** **page** by selecting and
entering image 141. The title of each represented **Web** **page** is also
displayed with its associated image to allow the user to more easily
identify the page. Hence, each time an HTML document representing a **Web**
page is received, the title of the **Web** **page** , as specified in the
HTML document, is saved as part of the historical information for...

...the user presses the Back button 36, the user is taken to the
previously-visited **Web** **page** in reverse chronological order. That is,
each time the Back button 36 is pressed, the...

...taken up one level in the tree hierarchy. The application software 31
automatically causes the **URL** of that **site** to be invoked. In addition,
the application software 31 also saves the selection that was entered by
the user (using Enter button 19) at each **Web** **site** . Therefore, as each
Web **site** is revisited in response to the Back button 36, the
selectable that the user entered when he previously visited that **site**
is automatically highlighted as the current selection. Hence, the user
only needs to press the...

...down the tree hierarchy). This feature allows the user to maintain his
context for each **Web** **page** , which may be several screens long. In
addition, if that selectable is a server-side...
...located when the user pressed the Enter button 19.
   As the user returns to each **Web** **page** moving forward, the selectable
he previously chose at that page is automatically highlighted, as was...

...The present invention provides a function by which the user can quickly
access his favorite **Web** **sites** . In particular, the user may save any
Web **page** he visits as a "Favorite". In addition, in one embodiment;
the WebTV(TM) client 1...

...the WebTV(TM) server 5 supplements the user-specified Favorites with a
list of the **Web** **sites** most frequently visited by the user. The user
can then select a "Favorites" menu item on the WebTV(TM) **home** **page** to
see a representation of his favorite **Web** **sites** .
   Selection of the "Favorites" menu item causes the user's favorite **Web**
sites to be displayed in a form similar ...display (see Figure 12).
That is, the "Favorites" display includes scaled-down images of various
Web **pages** along with the title of each **Web** **page** . As with the
Recent display, the user can directly access any **Web** **site** represented
in the "Favorites" display by selecting one of the scaled-down images
using the...

...display to be scrolled up or down, respectively, to display undisplayed
portions of the current **Web** **page** . The display is generally scrolled
by approximately one entire screen. However, the amount of scrolling...

...received audio information is provided to the television set via an
audio channel of video **link** 6. The WebTV(TM) network services provide
MIDI audio information to the WebTV(TM) box...

...music to be played to the user while the user is either downloading or
viewing **Web** **pages** . That is, MIDI sound information for generating
background music is downloaded "on the fly" while views of other **Web**
pages are downloaded, so that the user is provided with a continuous
stream of music. In...

...being played to the user.
   In one embodiment, the background music is suspended whenever a **Web**
page has its own music, such that the background music associated with

the **Web** **page** is played instead. Once the user leaves that **Web** **page**, the background music provided by the WebTV(TM) network services is resumed.

In addition, the...

...CLAIMS objects to be displayed on the display device, each of the hypertext objects representing a **link** to information stored on one of the server systems;

receiving a first user input from...anchors, to be displayed on the display device, each of the hypertext anchors representing a **link** to another portion of WWW content stored on one of the server systems;

receiving a...

...server systems, wherein the image map corresponds to at least one hypertext object having a **uniform** **resource** locator (**URL**) that is stored in one of the remote server systems and not in the client ...

...input to one of the server systems in order to access information associated with the **URL**.

30. A method according to claim 29, further comprising the steps of:

scaling the image...objects to be displayed on the display device, each of the hypertext objects representing a **link** to information stored on one of the server systems;

receiving a first user input from...

...hypertext objects, wherein each of the hypertext objects included in the image map has a **uniform** **resource** locator (**URL**) stored within the client system; the method steps further comprising the steps of:

identifying the...steps of:

receiving a third user input directed to the selected hypertext object;

transmitting the **URL** of the selected hypertext object to one of the server systems;

receiving information associated with the **URL** of the selected hypertext object in response to the step of transmitting; and

causing the...

...claim 46, wherein the image map corresponds to at least one hypertext object having a **uniform** **resource** locator (**URL**) that is stored in one of the server systems and not in the client system...

...input to one of the server systems in order to access information associated with the **URL**.

50. A program storage device according to claim 49, the method steps further comprising the...

...anchors to be displayed on the display device, each of the hypertext anchors representing a **link** to another portion of WWW content stored on one of the server systems;

means for...

...of hypertext anchors displayed on the display device, each of the hypertext anchors representing a **link** to information stored on one of the server processing systems; the remote input device comprising:

means for transmitting a first user input to the client processing system using a communication **link**, the first user input for unselecting a first hypertext anchor and selecting a second hypertext ...

...means for transmitting a second user input to the client processing system using the communication **link**, the second user input for causing the client processing system to access information associated with...

...Wide Web (WWW).

56. A remote input device according to claim 54, wherein the communication **link** is an infrared **link**.

57. A remote input device according to claim 54, wherein the communication **link** is a radio frequency (RF) **link** .

58. In a client-server system including a client in communication with at least one...and a display device, the client system for accessing a plurality of World Wide Web (**"Web "**) **pages** in response to user commands, a method of accessing one of the **Web** **pages** , the method comprising:

maintaining information corresponding to a plurality of **Web** **pages** recently accessed from the client system, the information identifying the recently accessed **Web** **pages** and indicating an order in which the recently accessed **Web** **pages** were accessed from the client system;

causing representations of the recently accessed **Web** **pages** most-recently accessed from the client system to be displayed on the display device based...

...representations; and

in response to the user input, re-accessing one of the recently accessed **Web** **pages** corresponding to the representation specified by the user input.

65. A method according to claim...

...method according to claim 64, wherein the step of causing representations of the recently accessed **Web** **pages** most-recently accessed from the client system to be displayed on the display device comprises...

...displayed on the display device, wherein each image includes a scaled-down version of a **Web** **page** .

68. In a client system in communication with at least one server system, the client...

...Wide Web ("Web") in response to commands from a user, a method of accessing a **Web** **page** , the method comprising:

maintaining information corresponding to a plurality of **Web** **pages** ;

causing images of the plurality of **Web** **pages** to be displayed on the display device based on the information, wherein each image includes a reduced-size version of one of the plurality of **Web** **pages** ;

accepting a selection user input specifying one of the images; and

in response to the selection user input, accessing one of the **Web** **pages** corresponding to the image specified by the user input.

69. A method according to claim 68, wherein step of maintaining information corresponding to a plurality of **Web** **pages** comprises storing an address and a title for each of the plurality of **Web** **pages** .

70. A method according to claim 68, further comprising the step of inputting a designation user input, the designation user input specifying one of the plurality of **Web** **pages** , the designation user input further for causing information corresponding to said one of the plurality of **Web** **pages** to be maintained.

71. A method according to claim 68, wherein the **Web** **pages** are bookmarks specified by the user.

72. A method according to claim 68, wherein the step of maintaining information corresponding to a plurality of **Web** **pages** comprises the step of maintaining information corresponding to **Web** **pages** previously browsed by the user.

73. A method according to claim 68, wherein the step...

Automatic updating of diverse software products on multiple client computer system
Automatische Aktualisierung von verschiedenen Softwareprodukten in

Mise a jour automatique de produits logiciels divers dans des systemes ordinateurs a clients multiples .

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SPEC A	(English)	9712W1	13371
Total word count - document A			15225
Total word count - document B			0
Total word count - documents A + B			15225

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...ABSTRACT client computer determines that software products stored
  thereon, and using this information, determines from the **database** ,
  which **products** have updates available, based on **product** **name** and
  release information for the installed products. The user selects updates
  for installation. The selected...

...SPECIFICATION which of the many software products there are updates
  available.
    For example, some vendors maintain **sites** on the World Wide Web, or
  electronic bulletin boards (BBS's) that include information about current
  updates and products, and enable a user to download such updates.
  However, such **sites** are obviously dedicated to a single software
  vendor, and provide information only about that software...

...have to search the Internet, and possibly online services, to determine
  which vendors have such **sites** . The user would likely to have visit each
  of these **sites** individually and determine what software updates are
  available from each of them. Similarly, even though...

...or search engines on the Internet, such as Excite, Yahoo, Lycos, or
  Infoseek merely provide **links** to software vendor **sites** , but do not
  generally attempt to systematically determine which software updates are
  available, and provide...The network location provided in the software
  update information is specified by one or more **universal** **resource**
 locators (**URL**). Thus, the update database does not store the software
  updates themselves, but information that is...

∴..corrupted, for example by computer viruses.
    The service provider periodically updates the update database,
    monitoring **URL** information to ensure that it correctly identifies the
    location of software updates, identifies new software...

...promotional information for various software products in addition to the
    software update information. The promotional **information** includes
 product literature, advertising literature, technical **information** ,
 product demonstration software and the like. This information is
    categorized into a number of product categories...

...the client computer the product categories of the software products
    therein, and then selects promotional **information** from certain **product**
     categories, and retrieves this promotional information from the network
    location information associated with it. This...to their software
    products. These updates are then downloaded from the software vendor's
    Internet **sites** , and one or more network locations (**URL**) are
    identified for obtaining the download. The downloaded software update is
    then installed on one...

...or update, and use the client application to download and install the
    software update or **product** .

    BRIEF **DESCRIPTION** OF THE DRAWINGS
    Figure 1 is an illustration of a system for providing software updates
    ...

...operation of the install monitor.
    Figure 12 is a flowchart of the operation of the **URL** monitor.
    Figure 13 is an illustration of a user interface for registering a
    software update...

...Each software vendor computer 103 coupled to the service provider
    computer 102 stores software update **information** , software **products** ,
 information files, and the like. The software update information
    includes applications, binary files, text files, and the like, for
    updating software products installed on client computers 101, and
    advertising or other **information** about such **products** useful to users
    for evaluating potential software for updating. Other types of
    information useful to...Files, such as executables, binaries, and text
    files are identified within the various computers by **universal**
 resource **locators** (**URLs**) as known in the art.

    Overall System Operation
    Referring now to Figure 2, there is...

...additional information by selecting a name or remark of a particular
    software product. The selected **product** **name** and remark is
    highlighted, as shown in Figure 4, and the information about the software
    ...

...provider computer 101, or obtained directly from the software vendor
    computers 103 as needed using **URLs** associated with such information.
    The user may limit the list to only those software products...the like.
    This downloading may be directly from the software vendor computer 103,
    using the **URL** data stored in the service provider computer 102 for the
    location of the software update...a update database 709, a user profile
    database 711, a reporting tools module 713, a **URL** monitor module 715,
    an advertising/information database 717, and an activity log 718. The
    update...

...below.

    Update Database
    ˙ The update database 709 maintains information identifying a large
    number of software **products** , **information** about the software updates
    that are available from the diverse software product vendors for these
    software **products** , **information** for identifying software products

' installed on a client computer 101, and for uniquely distinguishing the
...

...database 709 does not itself store the software updates, but rather
stores information, such as **URLs** , that allows the service provider
computer 102 or the client computers 101 to directly access...

...to store the relevant files. Further, by not storing the software
updates themselves, but only **links** to the software vendor computers
103, the service provider does not have to make sure that the software
updates themselves are always current, but need only maintain the **link**
information, which is administratively easier. In another embodiment, the
software updates are stored in the...

...of a number of strings, here scan(underscore)string. Each
scan(underscore)string identifies a **product** name or file name, or
some other data. However, a scan(underscore)string may not uniquely...

...product locator table 803.
    The product locator table803 associates individual scan-strings 813
with a **product** name 815, instructions 816 for determining a version
number or release number, and one or more constraints 814. The constraint
is a rule that uniquely identifies the **product** given contextual
information for the **product** where there are two entries having
identical scan(underscore)strings. Constraints include specific
directories that...

...like. If the specified information in these various locations matches
the constraint values, then the **product** name associated with the
constraint is the correct **product** name for the
scan(underscore)string. In one embodiment, the constraint 814 is an
executable procedure that retrieves information in these various
locations, and determines from this **information** whether the **product**
name is a match with the scan(underscore)string, according to whether
the specified details of...

...updates is usefully made with the product table 805. The product table
805 associates a **product** name 815 and a particular release 818 with
an update ID 819 identifying a software update...

...software update specified by the update ID 819 to the software product
identified by the **product** name and release number. The latest field
821 specifies (Y/N) whether applying the software update...

...is usefully keyed by the update ID 819. For each update, there is
provided a **URL** list 823 which contains **URLs** for the various **sites**
that store the actual binary files for the software update, typically the
software vendor computer system 103, and potentially mirror **sites** . The
URL list 823 is comprised of a number of **URL** entries, each **URL** entry
having a **URL** and a timestamp of the last time the **URL** was validated,
and flag indicating whether the **URL** is valid. This allows the **URL**
monitor 715 to ensure that current **URL** information is maintained in the
database.
    The current cost 824 of the software update is...

...field stores data associated with a description of the software update,
such as describing the **product** features. The **description** is
preferably a **URL** to a file on the software vendor computer system 103
that contains the description information. Again, the actual text need
not be stored here, but merely a **link** to where that information is
available on the network 106.
    The update database 709 has...receives the scan(underscore)string and
resolves 1007 the scan(underscore)string to determine a **product** name
815 and a release instruction 816 associated with it. In some cases, the
scan(underscore)string does not uniquely identify a **product** name 815,
but matches several **product** names of installed software products.
Accordingly, for each matching entry, the system analyzer 907 obtains
1009...

...The constraint 814 of one of the entries will be satisfied and uniquely identify the **product   name** .
   Once the specific entry with the correct **product   name** is identified, the system analyzer 907 resolves 1011 the release instruction 816 for the entry...

...release instruction 816 is preferably an executable procedure that obtains the version number from the **named** software **product** , and thus not merely the actual data itself. Using an executable procedure here ensures that...

...is a list 1013 of the installed software products on the client computer 101, each **product** identified by **name** and the installed version. The system analyzer 907 uses this list to query the service...

...102 determines if there is an applicable update for a software product by comparing the **product   name** 815 and release information 818 to the product table 805, and obtaining the information in...

...819 against the update table 807 to obtain the record for this update, including the **URL** list 823 identifying the location of the relevant update ...record is returned to the client computer 101. The client computer 101 accesses the identified **URL** (s) and downloads the software update files, typically from the software vendor computer 103, though downloads may be from mirror **sites** , or the like. The client computer 101 further downloads (from the received **URLs**) any additional installation files, such as installation executables, and scripts. The client computer 101 also...

...the update database 709 may be used. The communications module 703 also handles login and **logout** in a conventional manner, though these functions may be incorporated into the security module 701...

...Suitable security mechanisms include VeriSign Inc.'s Digital ID Center, which incorporates the login and **logout** functions from the communications module 703.
   Additionally, the security module 701 provides for verification of... form 1300 includes fields for providing the remark 1301 used in describing the update, a **URL** 1303 for the information on the software update, version **information** 1305, software **products** 1307 affected by the update, the type of update 1309, known incompatibilities 1311, filters for...

...101). In addition, the file format 1321 of the update is specified along with a **URL** 1319 for the network location of software update itself. Finally, the installation procedures 1323 are...for the first time. The registration form 1700 contains fields for the software vendor's **company name** 1701, software **product   name** 1703, **product** type 1705, a method 1707 to identify the software product on the client computer 101 ...

...plug in (a product which extends the capabilities of another product such as an Internet **browser**) or an operating system file.
   The method 1707 to identify the software product preferably specifies ...

...also be identified by the presence of unique directory names. As noted, in some instances, **product   names** are not unique.
   The version of the software product that is installed on a client...

...to identify software vendors providing updates of software products. Most software vendors will maintain Internet **sites** that indicate the presence of new software updates. For each identified software vendor, the service...

...update. Finally, the service provider creates an entry in the update database 709 including the **URL** or network location of the software

' vendor's computer system 103 storing the software update...

...applicable are specified as the products themselves are specified
earlier in this section. Also, a **URL** to a brief description and a full
description of the software update - the problems it...

...User Profile Database
   The user profile database 711 maintains a profile for each user
containing **information** about which **products** the user has shown an
interest, for example by requesting notification about software updates
for specific products, or about new software **products** . This
information is then used to deliver notifications about new updates
available for these products to the...

...may include the record from the update table 807 about the software
update, including the **URL** data 823 used to access the software update
files. The client application 104 would then...the user ID 1401 to a
notification table 1417 that associates the user with selected **product**
names 1419 and their current version 1421. When a software vendor or the
service provider updates...

...information may be collected and analyzed without necessarily violating
the privacy of the individual users.

URL Monitor
   The **URL** monitor 715 compiles the list of **URLs** in the update
database 709 and verifies on a periodic basis whether they have changed.
This is done to ensure that the **URL** information for the software
updates is always valid. Figure 12 illustrates a flowchart of the **URL**
monitor 715. The **URL** monitor 715 traverses 1201 each entry in the
update table 807. This may be done...

...complex approaches, such as oldest entries first, or some other fashion.
For each entry, the **URL** monitor 715 obtains 1203 the **URL** entries in
the **URL** list 823, each entry as noted above having a timestamp. The
URL monitor 715 **links** 1205 to the **URL** in an attempt to connect to
the identified **site** or file via the Internet.
   The attempted **link** may fail, and may be repeated some number of times
in order to confirm that the **URL** is actually absent or otherwise
incorrect, as opposed to merely a failure of the network service provider
or the like. Once it is determined 1207 that the **URL** is not present,
the **URL** is marked 1209 in the update table 807 as being invalid.
   If the **URL** is present, then the timestamp of the **URL** at the host
site is checked, typically by checking the timestamp of the file
associated with the **URL** , or the timestamp of the file that includes the
URL , or whichever is later. If the timestamp at the host is newer than
the timestamp...

...table 807, then it is possible that the underlying file has been
changed, and the **URL** is no longer valid. Again, the **URL** is marked
1209 as being invalid. If the timestamp of the host is not newer, then
the **URL** monitor 715 continues with the next **URL** in the **URL** list
823. Once all of the **URLs** in the update table 807 (or the desired
number of old ones) have been processed, then the **URL** monitor 715
notifies 1213 the system administrator of the potentially invalid **URLs** .
The system administrator can then verify the **URLs** and update them if
necessary, resetting the valid flag as the **URLs** are updated.

Advertising & Information Database
   The access that the service provider computer 102 has to...
...likely to be of interest to the user. The service provider computer 102
associates software **products** with advertising **information** , and
enables this advertising information to be periodically delivered to the
user.
   Furthermore, the nature...

...15 illustrates an exemplary schema for the advertising and information
database 717 for associating advertising **information** and software

`products .
    The ad table 1500 includes for each advertisement an ad number 1501, a
URL 1503 to the advertisement or information item, and a list 1505 of
categories for the...

...any number or variety of categories associated with it. The
product-category table 1507 lists **products** **names** 1511, **product** IDs
1509, and again, a list 1513 of categories for the product.
    If a user...

...to a specific installed product, then presumably the user would be
interested in advertisements or **information** for other **products** that
are categorized in the same categories as the installed product. For
example, if the user requests an update to an installed copy of Myst 1.0,
then this **product** **name** is matched against the **product** **name** 1511
in the product-category table 1507, and the categories 1513 for it, such
as...

...category list 1505 of the ad table 1500 are matched against this
category, and the **URLs** 1503 for matching entries retrieved and
accessed, with the information being delivered to the user...

...Figure 15 is merely illustrative, and implementations other
categorization may be used to associate advertising **information** with
software **products** for delivery to users having such products installed
on their computers.

Client Application Software Architecture...

...703 of the service provider computer 102, including establishing and
terminating connection streams, login and **logout** functions, FTP
functions, and HTTP protocol compliance. All of these functions may
implemented in a...promotional data) is already present in the cache, it
is marked as new, otherwise, the **URL** of the ad (as determined from the
database 717) is accessed, and the ad saved...

...CLAIMS of software vendors to a least one user computer, comprising:
        maintaining a first database of **information** about software
      products
    from a plurality of software vendors, the information including for each
        software product a network...

 14/3,K/11   (Item 11 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00865581
ORDER fax of complete patent from KR SourceOne. See HELP ORDER348
**Method of reproducing an electronically stored medical image on a
    light-sensitive photographic material**
**Verfahren zur Wiedergabe eines elektronisch gespeicherten medizinischen
    Bildes auf lichtempfindlichen photographischem Material**
**Procede de reproduction d'une image medicale memorisee electroniquement sur
    materiau photographique sensible a la lumiere**
PATENT ASSIGNEE:
  AGFA-GEVAERT naamloze vennootschap, (200390), Septestraat 27, 2640
    Mortsel, (BE), (applicant designated states: DE;FR;GB)
INVENTOR:
  Andriessen, Hieronymus, c/o Agfa-Gevaert N.V., IIE 3800, Septestraat 27,
    2640 Mortsel, (BE)
  Henderickx, Freddy, c/o Agfa-Gevaert N.V., IIE 3800, Septestraat 27, 2640
    Mortsel, (BE)
PATENT (CC, No, Kind, Date): EP 794456 A1 970910 (Basic)
APPLICATION (CC, No, Date):   EP 97200589 970301;
PRIORITY (CC, No, Date): EP 96200622 960307
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: G03C-001/035; G03C-005/26;

ABSTRACT WORD COUNT: 277

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text   Language   Update   Word Count
      CLAIMS A   (English)   9709W1   1016
      SPEC A   (English)   9709W1   10332
Total word count - document A   11348
Total word count - document B   0
Total word count - documents A + B   11348

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

...SPECIFICATION invention concerning processing have e.g. been realized in
  the processing unit CURIX HT 530, **trade   name   product** marketed by
  Agfa-Gevaert.
     Especially if the said laser imager MATRIX LR 3300 is linked...

  14/3,K/12   (Item 12 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 1998 EUROPEAN PATENT OFFICE. All rts. reserv.

00855129
ORDER fax of complete patent from KR SourceOne. See HELP ORDER348
Internet-based spelling checker dictionary system with automatic updating
Worterbuchsystem   auf   Basis   des Internets zur Prufung der Rechtschreibung
   mit automatischer Aktualisierung
Systeme   de   dictionnaire   base   sur   internet pour   verification de
   l'orthographe avec mise a jour automatique
PATENT ASSIGNEE:
  SUN MICROSYSTEMS, INC., (1392730), 2550 Garcia Avenue, Mountain View, CA
     94043, (US), (applicant designated states: DE;FR;GB;NL;SE)
INVENTOR:
  Nielsen, Jakob, 38 Walnut Avenue, Atherton, California 94027, (US)
LEGAL REPRESENTATIVE:
  Johnson, Terence Leslie (42961), Edward Evans & Co. Chancery House 53-64
     Chancery Lane, London WC2A 1SD, (GB)
PATENT (CC, No, Kind, Date): EP 788062 A2 970806 (Basic)
APPLICATION (CC, No, Date):   EP 97300455 970124;
PRIORITY (CC, No, Date): US 593613 960130
DESIGNATED STATES: DE; FR; GB; NL; SE
INTERNATIONAL PATENT CLASS: G06F-017/27;
ABSTRACT WORD COUNT: 170

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text   Language   Update   Word Count
      CLAIMS A   (English)   9708W1 .   2363
      SPEC A   (English)   9708W1   6830
Total word count - document A   9193
Total word count - document B   0
Total word count - documents A + B   9193

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

...SPECIFICATION word processing program produced by Frame Technology
  Corporation of San Jose, California, sold under the **trademark**
  "FRAMEMAKER(R)". This word processor gives each computer user in the
  network access to four...

...user that is creating or editing that document.
   Finally, this word processing system provides a **Site** dictionary which
  is accessible to all users in the LAN at a given **site** . The **Site**
  dictionary generally contains technical words and words that are commonly
  used at the **site** , such as the **company   name** and **product   names** .
  This **Site** dictionary thus fulfills some of the dictionary-sharing
  objectives which are useful in a network environment. However the **Site**

dictionary in this word processor can only be altered by the user designated as the **site** administrator. If another user wishes to add, delete or change any word in the **Site** dictionary, the proposed modification must be communicated to the **site** administrator by means external to the word processing system, and all changes in the **Site** dictionary require that individual's personal attention. In this sense the **Site** dictionary is a supplemental dictionary only for the user who is the **site** administrator. Clearly it is desirable to provide a supplemental shared dictionary for word processing in...special problem in the Internet context. In a LAN environment the cost of supporting a **Site** dictionary can be borne by the organization where the LAN is installed. However, on a...system operates a client computer 103 which is also linked to the Internet 109. This **link** can have a variety of configurations. In the example shown in Figure 1, the client computer 103 is assumed to be part of a LAN and has a communication **link** 111 to a server 106, which in turn has a communication **link** 110 to an Internet service provider 105. The service provider 105 is thus the interface...

...the present invention. (The mark "JAVA", with the mixed case lettering shown above, is a **trademark** of Sun Microsystems, Inc. in the United States and foreign countries.)
    The architecture of the...communication channel 111 to the web server for the vendor computer 101 with the following **URL** (**universal resource locator**): In this **URL** , "vendorname.com" is the **Internet address** of the vendor computer 101, "cgi" (common gateway interface) and "bin" (binary) are parameters of...the Internet through "info@fv.com" and also over the World Wide Web through the **URL** :
    These payment methods are known to persons skilled in the relevant art. Also, the dialog...out postcards or requesting that they enter information through the Internet on the vendor's **website** .
    It is also desirable to encourage users to participate in providing information that is used...

14/3,K/13   (Item 13 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00814331
ORDER fax of complete patent from KR SourceOne. See HELP ORDER348
Information provider apparatus enabling selective playing of multimedia
    information by interactive input based on displayed hypertext
    information
Informationsanbietergerat, um selektives Spielen von Multimediainformatione
    n durch interaktiven Input zu ermoglichen, basierend auf einer
    angezeigten Hypertexti
Systeme d'information pour reproduire selectivement une information
    multimedia par entree interactive base sur une information hypertexte
    affichee
PATENT ASSIGNEE:
  MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., (1855501), 1006, Oaza Kadoma,
    Kadoma-shi Osaka, (JP), (applicant designated states: DE;FR;GB)
INVENTOR:
  Kato, Masao, 1-26-2-101 Aizawa, Seya-ku, Yokohama, (JP)
LEGAL REPRESENTATIVE:
  Leeming, John Gerard (74731), J.A. Kemp & Co., 14 South Square, Gray's
    Inn, London WC1R 5LX, (GB)
PATENT (CC, No, Kind, Date): EP 756420 A2 970129 (Basic)
                              EP 756420 A3 970205
APPLICATION (CC, No, Date):   EP 96305432 960724;
PRIORITY (CC, No, Date): JP 95193257 950728; JP 96137286 960530
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: H04N-007/00; G06F-017/30;
ABSTRACT WORD COUNT: 162

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count

...SPECIFICATION such a prior art information provider apparatus. The
operation is as follows:

Step 1
   The **home   page** (i.e. the base page of hypertext data), which is held
in the WWW data...

...by the flow diagram of Fig. 70. The operation is as follows:

Step 11
   A **home   page** acquisition request is generated by the information
browsing section 2 and is transferred via the data communication path 4
to the WWW data service section 3. Hypertext data expressing the **home
page** are then read out from the WWW data storage section 31 of the WWW
data...to 39 denote respective files of monomedia data which are
similarly provided. As shown, the **home   page** contains hyperlinks to
the hypertext pages which are named pics.html and movs.html. The...

...respectively.
   In Fig. 71B, the single-record table 40 shows the format under which
the **home   page** data are managed, i.e. using the file name "home.html".

   An example of the...

...apparatus 12 will be of the form indicated by 41 in Fig. 72, with the
home   page 41a being displayed. The item selection regions are assumed
to be indicated by underlining the...
...referred to as a "button".
   Similarly, if the user selects the "video set" from the **home   page**
41a at display screen 41, then the display screen designated by numeral
44 will be...

...browsing control section 21 may use a WWW data display program such as
the NCSA **Mosaic** (a registered **trademark** of NCSA, which is the
National Center for Super Computing Applications, University of Illinois,
U.S.A), or **Netscape** (a registered **trademark** of **Netscape**
Communications Co., U.S.A). The monomedia data playing section 23 may use
the "mpeg...3: The WWW data management section 32 may use the daemon
process "httpd" (a registered **trademark** of the aforementioned NCSA, and
of CERN, the European Particle Physics Laboratory).
   Data communication path...

...to reduce this problem, with respect to still picture (graphics) data,
is provided by the **Netscape   browser** program (developed by **Netscape**
Communications Co., U.S.A.) for WWW data communication. When that program
is utilized by...board page, while in addition being distributed to
specific remote destinations (i.e. specific other **sites** of a wide-area
network) to be posted;
   Fig. 74 is a system block diagram...
...76 is a diagram for illustrating the process of distribution of a
hypervideo message between **sites** of a wide-area network;
   Fig. 77 shows an example of the format of detection...

...block diagram for illustrating a condition in which hypervideo message
data cannot be transferred between **sites** of a wide-area network by
using a file transfer protocol (FTP), due to absence...block diagram for
illustrating a condition in which hypervideo message data cannot be
transferred between **sites** of a wide-area network by using a file
transfer protocol (FTP), due to use...130, the data communication path
140 further includes a NFS (Network File System, a registered **trade**

'**mark** of Sun Microsystems Inc., U.S.A.) communication system 142, i.e. a data communication...example. The processing steps are as follows:

Step 21: A request for transfer of the **home   page** is sent by the browsing control section 121 via the data communication path 140, using ...section 151 of the hypervideo data service section 150. In Fig. 7, 204 is a **home   page** of hypertext data, 205, 206 and 207 denote respective page units of hypertext data which are connected by hyperlinks to the **home   page** 204, while 208 to 213 denote respective monomedia data files which are connected by hyperlinks...112 will become as indicated by numeral 216 in Fig. 9, i.e. containing the **home   page** 216a, in which hyperlink items are displayed in underlined form, together with text contents of the **home   page** . In this example, the user can select either monomedia data items (i.e. the set...

...other hand the user selects the static picture set or the video set, from the **home   page** hyperlink items, then the operation will proceed as described hereinabove for the prior art apparatus...

...data which constitute the hypervideo data. That is to say, rather than attempting to directly **link** the hypervideo data to the conventional hypertext data, hyperlinks are established from hypertext data (such...it may be preferable to use a data communication program such as VideoShower (a registered **trademark** of Matsushita Electric Industrial Co. Ltd., Japan), which enables video data to be read out...In Fig. 12, 304 to 307 denote respective hypertext data pages, with 304 denoting the **home page** , and 308 to 313 denote respective monomedia data files. The monomedia data files 312 and...terminal. In that way, each of the client terminals C1   to C2 can display a **home   page** which is specific to that client terminal, i.e. so that a user of one...selects the set of hypervideo clips, i.e. the hyperlink item "mvs.html" from the **home page** , then WWW data expressing a menu page (i.e the menu page "mvs.html" in...of catalog information relating to commercial products, with the original hypervideo data representing user manual **information** for the **products** . It can thus be understood that this embodiment has a wide range of possible applications...

...WWW data service section 130, with each of these being connected by hyperlink to the **home   page** (described hereinabove with respect to the first embodiment). In that way, a user of the I/O section 110 can select a specific notice board page (from the **home   page**), and can then select a desired hypervideo message to be played by the display apparatus ...shown in Fig. 30, the (new.html) notice board page "New Products Guide" has a **link** to one hypervideo message, with the theme of that message being "Pocket-size phone". After...via the Internet, it may be necessary for the hypervideo mail item to also include **Internet address** information relating to that user.

Fig. 59 shows the internal configuration of the hypervideo mail will also specify an **Internet   address**), then obtains, from the mail server/client information table memory section 196, path information which...

...the name information of the destined user (which in this case will also specify an **Internet   address**), then obtains, from the mail server/client information table memory section 196, path information which...

...can be basically similar to that described for the fifteenth embodiment, but must also include **Internet   address** information for the destined user.

Step S3: The hypervideo mail processing section 1195 of mail...the name information of the destined user (which in this case will also specify an **Internet   address**), then obtains, from the mail server/client information table memory section 196, path information which...the temporary mail storage section 198, and examines the data to obtain the name information (**Internet   address**) of the destined user, then obtains, from the mail server/client information table memory section...the invention described hereinabove referring to Figs. 57 to 62 (i.e. such as "net **sites** " which are interconnected by the Internet), whereby a message that is posted on a notice...

...to be distributed to each of a predetermined set of remote destinations
(i.e. other **sites** , of a wide-area network), then the message is
transmitted to each of these destinations...

...that message is to be distributed to remote destinations, i.e. to one or
more **sites** of a wide-area network (server computers of other LANs),
    (c) if so, to transmit...processing section 160 of the server computer
A, with the message specifying the notice board **name** "New **Products**
Guide" and the message theme being "29-inch Wide-Screen TV". As a result,
when...distributed, by finding the names of the server computers which
correspond to the notice board **name** ""New **Products** Guide"".
    Step 3: Generate a header file for the distribution file group of this
message...

...be be configured in accordance with the anticipated frequency of posting
of messages at that **site** , so as to ensure that none of the server
computers of the wide-area network...find the names (B, C) of the server
computers which correspond to the notice board **name** ""New **Products**
Guide"".
    Step 3: Based on the detection result data, refer to the storage
position information...upon the such factors as the anticipated type of
utilization of client terminals of each **site** (i.e. the expected
frequency of posting messages from the client terminals, or frequency of
...

...messages that are distributed, etc.). Generally speaking, if it is
anticipated that message interchange between **sites** will be performed
mainly on a two-way conversational basis, then the form of the...

...in which a specific server computer will mainly be used to distribute.
messages to other **sites** , then the form of the twenty-first embodiment
is to be preferred.
    A twenty-second...execution section 2192 can readily be implemented,
for example by using the UNIX (a registered **trade   mark** of UNIX System
Laboratories Inc.) "cron facility, if the server computer uses the UNIX
operating...

...Agent" facility of the Windows 95 operating system can be utilized.
"Windows" is a registered **trade   mark** of Microsoft Corp., U.S.A.
    With this embodiment, in addition to the advantage of...

...preceding embodiment with respect to the speed with which a newly posted
message at one **site** of the wide-area network is made available to users
of other **sites** . However it would be possible to modify this embodiment,
such as to ensure that when...

...way, the message theme" is made available to the users of client
terminals of that **site** , to indicate that this message will be
distributed. In that case it could for example be arranged that file
transfer and posting of the message at that **site** are executed (prior to
the next scheduled time for posting of messages) if so requested...
...for executing data transfer using the SMTP, such as the Unix "Sendmail"
program (a registered **trade   name** of Sun Microsystems Corp., U.S.A.).
To use such a program it is necessary...the names (B, C) of distribution
destination server computers which correspond to the notice board **name**
""New **Products** Guide"".
    Step 3: Generate message header file (containing notice board **name**
""New **Products** Guide"" and message theme "29-inch Wide-Screen TV"),
based on detection result data.
    Step...find the names (B, C) of the distribution server computers
corresponding to the notice board **name** ""New **Products** Guide"" which
is specified in the detection result data.
    Step 3: Based on the detection...

00739525
ORDER fax of complete patent from KR SourceOne. See HELP ORDER348
Multimedia service access apparatus and method
Multimedien Dienstzugangsvorrichtung und Verfahren
Appareil et methode d'acces a un service multimedia
PATENT ASSIGNEE:
   AT&T Corp., (589370), 32 Avenue of the Americas, New York, NY 10013-2412,
      (US), (applicant designated states: DE;FR;GB)
INVENTOR:
   Wellner, Pierre David, 82 Kings Highway, Middletown, New Jersey 07748,
      (US)
LEGAL REPRESENTATIVE:
   Johnston, Kenneth Graham et al (32381), AT&T (UK) Ltd. 5 Mornington Road,
      Woodford Green Essex, IG8 OTU, (GB)
PATENT (CC, No, Kind, Date): EP 697793 A2 960221 (Basic)
                              EP 697793 A3 961218
APPLICATION (CC, No, Date):   EP 95305420 950802;
PRIORITY (CC, No, Date): US 290663 940815
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: H04N-007/15; H04N-007/173;
ABSTRACT WORD COUNT: 148

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text   Language   Update   Word Count
      CLAIMS A   (English)   EPAB96   882
      SPEC A   (English)   EPAB96   3271
Total word count - document A   4153
Total word count - document B   0
Total word count - documents A + B   4153

...SPECIFICATION the invention, the scanner means may communicate to the
   interface means over an infra-red **link** , a radio **link** , or over a wired
   connection. The scanner means may read marks such as bar codes...

...on June 8, 1993, describes an automated order and payment system which
   uses a ScanFone (**trademark** of U.S. Order). The ScanFone is a telephone
   with an attached credit card reader...

...a user   scans the printed ID with the scanner or pen (11), and the
   movie, **product   information** or game immediately starts to play. A
   variety of catalogs can be published (by the...

...wire pair (e.g., see scanner pen 11 and wire path 18), an infra-red
 link , or a radio **link** 12.
      An illustrative scanner pen 11 is shown in FIG. 4 to include a scanning
   401 over radio **link** 12. Optionally, the scanner pen 11 may include a
   controller/interpreter which decodes the unprocessed...

...head 401 into a more compact or standardized code or format for
   communication over radio **link** 12. Switch 406 enables the user to turn
   on and turn off scanner pen 11...ITV network 18. These codes could work
   in a similar way as the well-known **Universal   Resource   Locator   (URL**
) identifiers in NCSA **Mosaic** (Internet client access software for
   World Wide Web), only they would be read from paper...the information
   that a person browsed through in the ad could be valuable for the
   company 's future **marketing** efforts.

   Courses and textbooks
      Multimedia lectures could be tied to paper-based textbooks. Extensive
   reading...

...of a lecture or specific demonstrations they are interested in. These
   bar codes could also **link** the textbook to live discussion groups with

' other students or to line interactions with professors...

 14/3,K/15   (Item 15 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00718509
ORDER fax of complete patent from KR SourceOne. See HELP ORDER348
Material and method for printing radiological images.
Material und Verfahren zum Herstellen von Abzugen radiologischer Bilder.
Materiau et methode pour tirer des images radiologiques.
PATENT ASSIGNEE:
   AGFA-GEVAERT naamloze vennootschap, (200390), Septestraat 27, B-2640
      Mortsel, (BE), (applicant designated states: BE;DE;FR;GB;NL)
INVENTOR:
   Goedeweeck, Rudi, c/o Agfa-Gevaert N.V., DIE 3800, Septestraat 27, B-2640
      Mortsel, (BE)
   Kempenaers, Peter, c/o Agfa-Gevaert N.V., DIE 3800, Septestraat 27,
      B-2640 Mortsel, (BE)
PATENT (CC, No, Kind, Date): EP 679937 A2 951102 (Basic)
                              EP 679937 A3 971008
APPLICATION (CC, No, Date):   EP 95200546 950307;
PRIORITY (CC, No, Date): EP 94201025 940414
DESIGNATED STATES: BE; DE; FR; GB; NL
INTERNATIONAL PATENT CLASS: G03C-001/30; G03C-001/795; G03C-001/95;
   G03C-001/46; G03C-005/16; H04N-001/407;
ABSTRACT WORD COUNT: 125

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
      CLAIMS A (English) EPAB95   681
      SPEC A   (English) EPAB95   7756
Total word count - document A   8437
Total word count - document B   0
Total word count - documents A + B   8437

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

...SPECIFICATION invention concerning processing have e.g. been realized in
   the processing unit CURIX HT 530, **trade   name   product** marketed by
   Agfa-Gevaert.
      Especially if the said laser imager MATRIX LR 3300 is linked...

 14/3,K/16   (Item 16 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00626037
ORDER fax of complete patent from KR SourceOne. See HELP ORDER348
**Silver halide light-sensitive photographic material for use as a laser
   recorded medical hardcopy material and method of processing**
**Photographisches, lichtempfindliches Silberhalogenidmaterial zur Wiedergabe
   von   medizinischen   laseraufgezeichneten Bildern und Verfahren zur
   Verarbeitung**
**Materiau   photographique sensible a la lumiere, a base d'halogenure
   d'argent, pour la restitution d'images medicales enregistrees par laser
   et methode de traitem**
PATENT ASSIGNEE:
   AGFA-GEVAERT naamloze vennootschap, (200390), Septestraat 27, B-2640
      Mortsel, (BE), (applicant designated states: BE;DE;FR;GB;NL)
INVENTOR:
   Goedeweeck, Rudi August,, c/o Agfa-Gevaert N.V., DIE 3800, Septestraat
      27,, B-2640 Mortsel, (BE)
PATENT (CC, No, Kind, Date): EP 610608 A1 940817 (Basic)
                              EP 610608 B1 960911

APPLICATION (CC, No, Date):   EP 93200382 930212;
PRIORITY (CC, No, Date): EP 93200382 930212
DESIGNATED STATES: BE; DE; FR; GB; NL
INTERNATIONAL PATENT CLASS: G03C-001/30;
ABSTRACT WORD COUNT: 63

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF2	365
CLAIMS B	(English)	EPAB96	305
CLAIMS B	(German)	EPAB96	266
CLAIMS B	(French)	EPAB96	362
SPEC A	(English)	EPABF2	5893
SPEC B	(English)	EPAB96	6073
Total word count - document A			6259
Total word count - document B			7006
Total word count - documents A + B			13265

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...SPECIFICATION invention concerning processing have e.g. been realized in
  the processing unit CURIX HT 530, **trade   name   product** marketed by
  Agfa-Gevaert.
    Especially if the said laser imager MATRIX LR 3300 is linked...

...SPECIFICATION invention concerning processing have e.g. been realized
  in the processing unit CURIX HT 530, **trade   name   product** marketed
  by Agfa-Gevaert.
    Especially if the said laser imager MATRIX LR 3300 is linked...

 14/3,K/17   (Item 17 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00499708
ORDER fax of complete patent from KR SourceOne. See HELP ORDER348
**AN ARTICLE HAVING A HIGH FRICTION SURFACE, AN APPARATUS AND A METHOD FOR
   PRODUCING SAID ARTICLE**
**ARTIKEL MIT EINER REIBUNGSOBERFLACHE, APPARAT UND VERFAHREN ZUR HERSTELLUNG
   VON EINEM SOLCHEN ARTIKEL**
**ARTICLE A SURFACE DE FRICTION ELEVEE, APPAREIL ET PROCEDE DE PRODUCTION
   DUDIT ARTICLE**
PATENT ASSIGNEE:
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     (applicant designated states: BE;DE;ES;FR;GB)
INVENTOR:
  NEFF, Charles, 384 McKinley, Grosse Pointe, MI 48236, (US)
LEGAL REPRESENTATIVE:
  Hoeger, Stellrecht & Partner (100381), Uhlandstrasse 14 c, 70182
     Stuttgart, (DE)
PATENT (CC, No, Kind, Date): EP 506827 A1 921007 (Basic)
                              EP 506827 B1 960612
                              WO 9108864 910627
APPLICATION (CC, No, Date):   EP 91902039 901220; WO 90US7587 901220
PRIORITY (CC, No, Date): US 453684 891220
DESIGNATED STATES: BE; DE; ES; FR; GB
INTERNATIONAL PATENT CLASS: B24D-003/08; B24D-017/00; B24D-018/00;
  C09K-003/14;
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPAB96	1513
CLAIMS B	(German)	EPAB96	1566
CLAIMS B	(French)	EPAB96	1811
SPEC B	(English)	EPAB96	5231
Total word count - document A			0

...SPECIFICATION planar magnetized base surface with protrusions formed
   thereon to form a dotted or patchwork or **mosaic** surface. The
   protrusions may be machined into the surface or applied to the surface
   in...

...the external surface of each tool.   Therefore, resources may be applied
   to create an optimum **mosaic** or pattern of protrusions (verses the
   random pattern used in the Oliver technique) which will then create
   respectively positioned magnetic fields. A **mosaic** may be selected to
   address performance parameters ranging from material removal
   effectiveness to surface finish...

...particles are influenced by magnetic flux acting along a flux axis
   generally transverse to the **mosaic** surface, which is aligned with
   gravitational forces. Consequently, the complications and irregularities
   that are encountered...

...using magnetic flux having a flux axis which is generally
   perpendicular or normal to the **mosaic** surface. If a   neutral or
   positive rake angle is desired, stacks may be prepared by using a
   magnetic flux axis which is adjustable and determinable relative to the
 mosaic surface whereby the stack axis will have a predetermined rake
   angle relative to the surface...including a base, a plurality of
   magnetizable protrusions extending from the base to define a **mosaic**
   surface and a release film covering the **mosaic** surface for releasing
   the particles and matrix from the **mosaic** surface. Another embodiment
   contemplates an apparatus including a plurality of magnetizable
   protrusion members, a base for supporting the protrusion members to
   define a **mosaic** surface, a magnetic flux provided along a path through
   the protrusion members, a matrix of...

...being at least partially encapsulated within the binding structure and
   a release film covering the **mosaic** surface for supporting the matrix
   and for providing a release mechanism for releasing the matrix from the
 mosaic surface. Another embodiment contemplates an apparatus including
   a plurality of magnetizable protrusion members having a...added after
   the braze cement. A water based cement consisting of one part Nicrobraze
   Cement **Type** S, a **trademark** of Wall Colmonoy Corporation, and two
   parts water is preferred.
      Braze paste 26 is then...

...CLAIMS plurality of magnetizable protrusion means (16) extending from
         said base means (14) to define a **mosaic** surface, said fixture
         being characterized by release means (18) covering said **mosaic**
         surface.
   15. The fixture of claim 14 wherein said **mosaic** surface is generally
         planar.
   16. The fixture of claim 14 wherein said base means (14...

...means (12, 40) for generating magnetic flux along a flux path generally
         transverse to said **mosaic** surface.
   20. The fixture of claim 19 wherein said flux path is generally
         perpendicular to said **mosaic** surface.
   21. The fixture of claim 19 wherein said flux generating means (12, 40)
         are designed so that magnetizable particles (32) applied to said
       mosaic surface become oriented in stacks (24) having axes
         transverse to said surface, said stacks having...

...40) are designed so that the flux path is adjustable and determinable
         relative to said **mosaic** surface so that stacks of magnetizable
         particles (32) applied to said **mosaic** surface have stack axes
         having a predetermined rake angle (X,Y,Z) relative to said **mosaic**
         surface.

23. The fixture of claim 14 wherein said **mosaic** surface has
   nonmagnetic areas interspersed between said magnetizable protrusion
   means (16).
24. The fixture of...

 14/3,K/18   (Item 18 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00481036
ORDER fax of complete patent from KR SourceOne. See HELP ORDER348
DNA encoding a major mite allergen and the use thereof.
Fur ein Milben-Hauptallergen kodierende DNS und deren Verwendung.
ADN codant un allergene principal d'ararien et son utilisation.
PATENT ASSIGNEE:
  ASAHI BREWERIES, LTD., (947071), 7-1, Kyobashi 3-chome Chuoh-ku, Tokyo
     104, (JP), (applicant designated states:
     AT;BE;CH;DE;DK;ES;FR;GB;GR;IT;LI;LU;NL;SE)
  TORII & CO., LTD., (445552), 4-1, Nihonbashihoncho 3-chome, Chuoh-ku,
     Tokyo 103, (JP), (applicant designated states:
     AT;BE;CH;DE;DK;ES;FR;GB;GR;IT;LI;LU;NL;SE)
INVENTOR:
  Yuuki, Toshifumi, Asahi Breweries, Ltd., Oyogijutsu kenkyusho-nai, 13-1,
     Ohmorikita 2-chome, Ohta-ku, Tokyo, (JP)
  Okumura, Yasushi, Asahi Breweries, Ltd., Oyogijutsu kenkyusho-nai, 13-1,
     Ohmorikita 2-chome, Ohta-ku, Tokyo, (JP)
  Yamakawa, Hiroshi, 16-101, Irifune 2-chome, Urayasu-shi, Chiba-ken, (JP)
LEGAL REPRESENTATIVE:
  Ackroyd, Robert et al (52395), W.P. THOMPSON & CO. Eastcheap House
     Central Approach, Letchworth, Hertfordshire SG6 3DS, (GB)
PATENT (CC, No, Kind, Date): EP 445971 A1 910911 (Basic)
APPLICATION (CC, No, Date):   EP 91301669 910228;
PRIORITY (CC, No, Date): JP 9050848 900303
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IT; LI; LU; NL; SE
INTERNATIONAL PATENT CLASS: C12N-015/12; A61K-039/35; A61K-037/02;
ABSTRACT WORD COUNT: 34

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
      CLAIMS A (English) EPABF1   802
      SPEC A   (English) EPABF1   3149
Total word count - document A   3951
Total word count - document B   0
Total word count - documents A + B   3951

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

...SPECIFICATION edited by D. M. Glover). A commercially available kit for
   making cDNA (manufactured by Amersham **Company** , **trade**   **name** : RPN.
   1256Y) may be also used. The resulting double-stranded cDNA is inserted
   into a cloning **site** of a suitable vector, preferably, plasmid pUEX1
   (Bressan G. and Stanley K., Nucl. Acids Res...

 14/3,K/19   (Item 19 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00349041
ORDER fax of complete patent from KR SourceOne. See HELP ORDER348
Thrombin-binding substance and process for preparing the same.
Thrombin bindende Substanz und Verfahren zu ihrer Herstellung.
Substance liante de thrombine et procede pour sa preparation.
PATENT ASSIGNEE:
  KOWA COMPANY, LTD., (410431), 6-29, 3-chome Nishiki, Naka-ku Nagoya-shi
     Aichi-ken, (JP), (applicant designated states:

AT;BE;CH;DE;ES;FR;GB;IT;LI;NL;SE)
INVENTOR:
  Aoki, Nobuo, 4-20-2-304, Hongo Bunkyo-ku, Tokyo, (JP)
  Kimura, Shigeru, 3-59-10, Nangai, Higashiyamato-shi Tokyo, (JP)
  Shiratsuchi, Masami, 4-43-2 Zanbori, Musashimurayama-shi Tokyo, (JP)
LEGAL REPRESENTATIVE:
  Wachtershauser, Gunter, Dr. (12711), Tal 29, D-80331 Munchen, (DE)
PATENT (CC, No, Kind, Date):   EP 356836 A2 900307 (Basic)
                               EP 356836 A3 900328
                               EP 356836 B1 940511
APPLICATION (CC, No, Date):   EP 89115272 890818;
PRIORITY (CC, No, Date): JP 88214139 880829; JP 89116471 890510; JP
  89202027 890803
DESIGNATED STATES: AT; BE; CH; DE; ES; FR; GB; IT; LI; NL; SE
INTERNATIONAL PATENT CLASS: A61K-035/22; C12P-021/00;
ABSTRACT WORD COUNT: 110

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text   Language   Update   Word Count
        CLAIMS B (English) EPBBF1   658
        CLAIMS B (German)   EPBBF1   683
        CLAIMS B (French)   EPBBF1   902
        SPEC B   (English) EPBBF1   3375
Total word count - document A   0
Total word count - document B   5618
Total word count - documents A + B   5618

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

...SPECIFICATION ion-exchange resin for high performance liquid
  chromatography. Conventional methods, for example, the Laemmli's **method
  using   SDS** -polyacrylamide gel Nature, 227, 680-685 (1970)) can be used
  as   a   method for electrophoresis.
     Cells which can be used in the present invention may be any cells...
...calcium ion concentration to 2-10 mM causes thrombin-binding substances
  having a calcium-binding **site** to selectively combine with calcium and
  to change their structure.
     Thrombin-binding substances thus prepared...

 14/3,K/20   (Item 20 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00335709
ORDER fax of complete patent from KR SourceOne. See HELP ORDER348
**Method and apparatus for linking SNA terminals to an SNA host over a packet
    switched communications network.**
**Verfahren und Vorrichtung zur Verbindung von SNA-Endgeraten mit einem
    SNA-Hostrechner uber ein paketvermitteltes Nachrichtennetz.**
**Procede et dispositif pour connecter des terminaux SNA a un hote SNA au
    moyen d'un reseau de communication a commutation par paquets.**
PATENT ASSIGNEE:
  International Business Machines Corporation, (200120), Old Orchard Road,
    Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB)
INVENTOR:
  Morten, Richard Maynard, 25524 Jonnie Court, Gaithersburg, MD 20879, (US)
  McKay, Douglas Bruce, 10816 Kirkwall Terrace, Potomac, MD 20854, (US)
  Marsili, Michael Philip, 4498 Jade Court, Middletown, MD 21769, (US)
LEGAL REPRESENTATIVE:
  Schafer, Wolfgang, Dipl.-Ing. (62021), IBM Deutschland
    Informationssysteme GmbH Patentwesen und Urheberrecht, D-70548
    Stuttgart, (DE)
PATENT (CC, No, Kind, Date):   EP 330835 A2 890906 (Basic)
                               EP 330835 A3 920401
                               EP 330835 B1 941214
APPLICATION (CC, No, Date):   EP 89101270 890125;

...SPECIFICATION 8, 56-67 (1979). SNA provides a unified design for the
functions and structure of **data** communications **products** . Prior to the
introduction of SNA, teleprocessing networks had many problems: Terminals
were often dedicated...

...Technical Overview, Order No. GC30-3073, available through IBM branch
offices. The lowest layer, data **link** control, directly manages physical
resource -- the transmission facilities that connect nodes. Successive
layers provide additional...PU4, PU2, and PU1), which denotes the
capabilities in the lower layers, particularly in data **link** control and
path control.
PU1 - Type-1 (Terminal) Node
  A terminal is a node of...

...points which operates as peers of one another. Further enhancements
provide functions such as parallel **links** , transmission priority, and
multiple active routes for data transmission.
  Parallel **links** may be used between adjacent nodes of a network to
provide additional bandwidth and backup, and these parallel **links** may
be logically grouped to automatically distribute traffic across the
 links of a group. This concept also compensates for degradation
 resulting from errors on any of the **links** in the group, because
transmission is disrupted only if the last remaining **link** in the group
fails.
  Network availability can also be increased by providing multiple routes
between...

...traffic can be rerouted (and disrupted sessions reconnected) to avoid
failing intermediate nodes or failing **links** . Multiple routes can also
be useful for traffic load leveling. These capabilities gave SNA the...
initial signaling is completed, each user information record not only
must contain the normal data **link** controls, but in addition must
contain a packet header field. Once the system determines that...Unit

CSI	Console Service Interface
DDN	Defense data Network
DDR	Direct Datagram Request
DLC	Data **Link** Control
DNAM	DDN Access Method
DoD	Department of Defense
DSAF	Destination Subarea Field
DSX	Distribution...

...Only Storage

Sysgen	DDN/SNA System Generation Function
SDS	Sequential Data Sets
SDLC	Synchronous Data **Link** Control
SNA	System Network Architecture
SNAPS	NSA Portable Software by Data Connections, Ltd.
SNAP-2	SNA PU Type 2 Secondary Product
SNAP-5	SNA PU Type 5 Primary Product

```
· SNAP-LINK            SDLC Primary and Secondary Link  Level Product
  SNAP-THRU            SNA Inter-domain Pass-through Primary Product
  SSCP                 System Service Control...VM host systems to address
```
each other and communicate over DDN, providing direct communication
between **data** base **products** .
Description of the Drawings
   These and other objects, features and advantages of the invention will
be...

...VM host systems to address each other and communicate over DDN,
 providing direct communication between **data** base **products** such as
 Information Management System (IMS), and office system products such as
 Professional Office System (PROFS) and Distributed...host.
   MVS host system includes in the TCP/IP for MVS, a High-Level Data **Link**
 Control Distant Host (HDH) interface, using a Series/1 for connecting
 MVS to DDN, including...

...and IP. The Series/1 FEP provides the network access layer (X.25), the
 data **link** layer (HDLC), and the physical layer.
   In the host these services are provided by the...interface of the
 Arpanet Control Program (ACP) which allows the DDN Internet to provide
 communication **links** between a number of hosts running a relational data
 base system (DB). All hosts must...known" ports (WKPs).
   The client/server model fits naturally onto TCP. For example, if a
 client   program on a remote host sends a TCP connection request,
 specifying a WKP on the local...

...computers. The network control facilities provided allow for the
 investigation of trouble on the physical **links** connected to DDN.
   There are three functional capabilities used to perform network
 control. These are...subarea routing function between PU5 hosts. These
 services allow for the activation of the physical **link** to the DDN IMP
 and for the establishment of the appropriate ERs and VRs to...

...SNA formatted PIUs supported are:
  o Activate Physical Unit,
  o Start Data Traffic,
  o Activate **Link** ,
  o Set Control Vector,
  o Contact,
  o Contacted,
  o Inoperative,
  o Network Services Lost Subarea,
  o Explicit Route Inoperative,
  o virtual Route Inoperative,
  o Discontact,
  o Deactivate **Link** , and
  o Deactivate Physical Unit.
DDN/SNA Prototype System Example
   The objectives of the DDN...

...1 EDX environment.
      2. Verify the SNAPS product "port" to the 68000 SOS environment.
   SNAP-LINK -- SDLC Data **Link** Control,
  SNAP-2 -- SNA Physical Unit Type 2,
  SNAP-5 -- SNA Physical Unit Type 5...architecture to be modelled. An
 example of the Configuration Information is the quantity of serial **links**
 from the S/1 to DDN.
Description of Output Results
   1. An example of the...

...seconds).
  Input Parameters
    Number of Users: 100
     Number of TS/1s: 4
     Number of SDLC **Links** per TS/1: 8
     Number of Request Pkts: 1
     Number of Response Pkts: 5

Transaction...

...presents information on the various components of one-way packet delay:
DDN Delay: 122
SDLC **Link** Delay-Request: .227
SDLC **Link** Delay-Response: .240
DDN I/F Delay-Request: .110
DDN I/F Delay-Response .125...can have the effect of denying access to
all TCP users on an X.25 **link** , in spite of the fact that TCP flow
control would allow it and selected virtual...Instead, the exhaustive
network address value defining the TCP connection (port) is composed of
an **internet** **address** (host **address**) and port on TCP. By implication,
it appears that the terms "host" and "TCP" are...

...if we are to offer upper level services as a common host over multiple
physical **links** , passive TCP opens must be established over each such
link to accommodate arbitrary **link** selections by the Interface
Message Processor (IMP) on routing incoming active opens to that service
...

...imposed by the IMP, and are beyond our control, these flow over two
different hardware **links** . Since the individual TCPs are ignorant of
each others' activities, connection deadlocks can result.
    These...on the FEP and/or RAF. These elements include NSA PU2, SNA
PU5, SNA Data **Link** Control (DLC), SNA pass-through applications and SNA
log-on and security applications. SNA primary...

...and low level designs have been completed and documented for the SNAPS
PU2, PU5, and **Link** isolation layer AMODs, Personalized Modules (PMODs),
HMOD, and Console Service Interface (CSI). These include AMODs...

...a MC68000 co-processor provides the PU5 System Service Control Point
(SSCP) support and SNAP **LINK** on another MC68000 co-processor provides
the primary Synchronous DLC (SDLC) support to the terminals...the FEP,
o A pass-through module between the PU5 DLC AMOD and the SNAP **LINK**
AMOD, and
o A DLC modification to the S/1 $SNA Program Product to interface...
...SNA Host Software
    A SNA PU4 node provides the following four primary functions:
o Data **Link** Control -- Provides the function needed to transmit and
receive data over the 370 channel and...

...DDN.
o Path Control -- Provides the function needed to route the data between
the data **link** control functions.
o Boundary Node Function -- Provides an interface to attached PU2
peripheral nodes.
o...

...estimated as twice that of the total PU4 support).
    The 370 channel and DDN data **link** control functions, the path control
function, and the support code for the centralized network control...

...an overview of these functions.
PU4 Channel I/O
    The PU4 Channel I/O data **link** control function interfaces with the
channel attached MC68000 card to communicate with one host over...

...PU4 Channel I/O function and the channel attached MC68000 card together
perform the Data **Link** Control and as such respond to all channel
commands as a NCP 3725 Communications Controller...

...coding has begun for this function.
PU4 DDN I/O
    The DDN I/O data **link** control function interfaces with the TCP API to
communicate with the remote PU4 FEPs on the DDN. The DDN I/O function and
TCP API together perform the Data **Link** Control for the DDN interface.
DDN Access Method (DNAM) resides in the EDX supervisor partition...down

load new configurations, distribute password and user profiles, and
retrieve dump and audit trail **information** .
o HCF -- **Product** used to allow the network operator to enter S/1
commands remotely on a FEP...Interface Message Processor (IMP) is an
RS449 Type SR physical interface (ISO level 1). The **link** level protocol
shall be HDLC (ISO level 2). The packet level shall be X.25...

...or more defined LU2s (windows). The RAF shall be the primary station on
the SDLC **link** . The SDLC **link** to an SNA 3274 shall be point-to-point.
The PCs emulating 3274 may be...Interface Message Processor (IMP) is an
RS449 Type SR physical interface (ISO level 1). The **link** level protocol
shall be HDLC (ISO level 2). The packet level shall be X.25...Interface
Message Processor (IMP) is an RS449 Type SR physical interface (ISO level
1). The **link** level protocol shall be HDLC (ISO level 2). The packet
level shall be X.25...also allows the user to build their system
elements (code and tables) at one central **site** and distribute them over
the network.
    The system is comprised of hosts, Network Control Hosts...

...LU sessions via the DDN.
  For a new Series/1 node to become operational, the **site** operator must
allocate all datasets locally on the Series/1 as per instructions
contained in documentation distributed with the diskettes.
  The **site** operator follows a script that has instructions on:
- Creating the required EDX volumes and data...

...tapes of the DDN/SNA baseline DSX resource repository.
    To install the user's MNCH **site** , programs and tables are distributed
from an IBM development **site** . The MNCH is the NCH on which the user
runs Sysgen, and from which all...one PU4 channel. The PU4 Channel I/O
function and BCAM, together, perform the data **link** control function and
as such, respond to all channel commands as a Network Control Program...

...FEPs on the DDN. The DDN I/O function and DNAM, together, perform the
data **link** control function for the DDN interface. DNAM resides in one
of the EDX supervisor partitions...System Wide Operator Facilities
(SWOF), SNA Passthru, High Level Interface (HLI) Application Program
Interface (API), **Logon** , Security/Audit, $SNA Data **Link** Control (DLC)
Interface, SNAPS to SNAPS Access Module (AMOD), HLI AMOD, DLC AMOD,
Console Services Interface (CSI) Personality Module (PMOD), Transmission
Control Interface (TCI) AMOD, Common AMOD, SNAP-**LINK** AMOD, SNAPS
Hardware Module (HMOD), Operator Interface, Console Services, and Channel
DLC.
    Network Control facilities...

...within a FEP/NCF and RAF is provided by, SNAPS software (SNAP2, SNAP-5,
SNAP-**LINK** , SNAP-THRU). We have ported this code to the 68000
co-processor hardware in the...

...the primary PU5 SNA support (SSCP) to downstream PU2 devices attached to
the RAF. SNAP-**LINK** , with the associated SDLC HMODs, provides the DLC
layer for communicating with the downstream SNA...

...and access a VTAM host and establish an SNA session with a host
application. The **LOGON** program, in conjunction with the HLI interfaces
to SNAP-5, provide menu-driven services to the user. These services
include **logon** and password authorization via a security/audit program,
and user selection of a host system and application. **Logon** establishes
the connection through TCP/IP to the selected host FEP. A successful
"bind" from...

...FEP and to the host application. Receipt of an "unbind" transfers
control back to the **LOGON** program, the TCP/IP connection is broken, and
the default menu reappears on the user...status of the TCP connection,
o TCP HOSTNAM - convert a TCP host name to an **Internet**   **address** ,
o TCP COND - TCP connection descriptor, and
o TCP BUFD - TCP send and receive buffer...rejects requests from remote
hosts to establish communication connections referencing the DDN physical

` or logical **Internet** **address** of that attachment during the recovery
interval. Also, DNAM rejects requests to establish communication
connections from the local host referencing the DDN physical or logical
Internet **address** during the recovery interval. If the recovery action
is successful, then DNAM updates the configuration...

...then the installation continues to operate in the degraded mode. DNAM
moves the DDN logical **Internet** **address** of the failed attachment to
another physical attachment. DNAM accepts attempts to establish
communication connections...

14/3,K/21   **(Item 21 from file: 348)**
DIALOG(R)File 348:EUROPEAN PATENTS
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00335708
ORDER fax of complete patent from KR SourceOne. See HELP ORDER348
**Method and apparatus for linking an SNA host to a remote SNA host over a
    packet switched communications network.**
**Verfahren und Vorrichtung zur Verbindung eines SNA-Hostrechners mit einem
    entfernten SNA-Hostrechner uber ein paketvermitteltes Nachrichtennetz.**
**Procede et dispositif pour connecter un hote SNA a un hote SNA eloigne au
    moyen d'un reseau de communication a communication par paquets.**
PATENT ASSIGNEE:
    International Business Machines Corporation, (200120), Old Orchard Road,
       Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB)
INVENTOR:
    Morten, Richard Maynard, 25524 Jonnie Court, Gaithersburg, MD 20879, (US)
    Smith, Ted Paul, 5808 Jefferson Pike, Frederick, MD 21701, (US)
LEGAL REPRESENTATIVE:
    Herzog, Friedrich Joachim, Dipl.-Ing. (5411), IBM Deutschland GmbH
       Schonaicher Strasse 220, D-7030 Boblingen, (DE)
PATENT (CC, No, Kind, Date): EP 330834 A2 890906 (Basic)
                              EP 330834 A3 920401
APPLICATION (CC, No, Date):   EP 89101269 890125;
PRIORITY (CC, No, Date): US 161647 880229
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: H04L-011/00; H04L-011/20;
ABSTRACT WORD COUNT: 179

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        CLAIMS B (English) EPBBF1   1165
        CLAIMS B (German)   EPBBF1   1043
        CLAIMS B (French)   EPBBF1   1382
        SPEC B   (English) EPBBF1   28337
Total word count - document A   0
Total word count - document B   31927
Total word count - documents A + B   31927

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

...SPECIFICATION 8, 56-67 (1979). SNA provides a unified design for the
   functions and structure of **data** communications **products** . Prior to the
   introduction of SNA, teleprocessing networks had many problems: Terminals
   were often dedicated...
...Technical Overview, Order No. GC30-3073, available through IBM branch
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   resource -- the transmission facilities that connect nodes. Successive
   layers provide additional...PU4, PU2, and PU1), which denotes the
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   path control.
   PU1 - Type-1 (Terminal) Node
     A terminal is a node of...

...points which operates as peers of one another. Further enhancements

provide functions such as parallel **links** , transmission priority, and
multiple active routes for data transmission. Parallel **links** may be
used between adjacent nodes of a network to provide additional bandwidth
and backup, and these parallel **links** may be logically grouped to
automatically distribute traffic across the **links** of a group. This
concept also compensates for degradation resulting from errors on any of
the **links** in the group, because transmission is disrupted only if the
last remaining **link** in the group fails. Network availability can also
be increased by providing multiple routes between...

...traffic can be rerouted (and disrupted sessions reconnected) to avoid
failing intermediate nodes or failing **links** . Multiple routes can also
be useful for traffic load leveling. These capabilities gave SNA the...
initial signaling is completed, each user information record not only
must contain the normal data **link** controls, but in addition must
contain a packet header field. Once the system determines that...Unit

CSI	Console Service Interface
DDN	Defense data Network
DDR	Direct Datagram Request
DLC	Data **Link** Control
DNAM	DDN Access Method
DoD	Department of Defense
DSAF	Destination Subarea Field
DSX	Distribution...

...Only Storage

Sysgen	DDN/SNA System Generation Function
SDS	Sequential Data Sets
SDLC	Synchronous Data **Link** Control
SNA	System Network Architecture
SNAPS	NSA Portable Software by Data Connections, Ltd.
SNAP-2	SNA PU Type 2 Secondary Product
SNAP-5	SNA PU Type 5 Primary Product
SNAP-**LINK**	SDLC Primary and Secondary **Link** Level Product
SNAP-THRU	SNA Inter-domain Pass-through Primary Product
SSCP	System Service Control...VM host systems to address

each other and communicate over DDN, providing direct communication
between **data** base **products** .
Description of the Drawings
   These and other objects, features and advantages of the invention will
be...

...VM host systems to address each other and communicate over DDN,
providing direct communication between **data** base **products** such as
Information Management System (IMS), and office system products such as
Professional Office System (PROFS) and Distributed...host.
   MVS host system includes in the TCP/IP for MVS, a High-Level Data **Link**
Control Distant Host (HDH) interface, using a Series/1 for connecting
MVS to DDN, including...

...and IP. The Series/1 FEP provides the network access layer (X.25), the
data **link** layer (HDLC), and the physical layer.
   In the host these services are provided by the...interface of the
Arpanet Control Program (ACP) which allows the DDN Internet to provide
communication **links** between a number of hosts running a relational data
base system (DB). All hosts must...
...known" ports (WKPs).
   The client/server model fits naturally onto TCP. For example, if a
client program on a remote host sends a TCP connection request,
specifying a WKP on the local...computers. The network control facilities
provided allow for the investigation of trouble on the physical **links**
connected to DDN.
   There are three functional capabilities used to perform network
control. These are...subarea routing function between PU5 hosts. These
services allow for the activation of the physical **link** to the DDN IMP
and for the establishment of the appropriate ERs and VRs to...

...SNA formatted PIUs supported are:

¹ o   Activate Physical Unit,
  o   Start Data Traffic,
  o   Activate **Link** ,
  o   Set Control Vector,
  o   Contact,
  o   Contacted, .
  o   Inoperative,
  o   Network Services Lost Subarea,
  o   Explicit Route Inoperative,
  o   virtual Route Inoperative,
  o   Discontact,
  o   Deactivate **Link** , and
  o   Deactivate Physical Unit.
DDN/SNA Prototype System Example
   The objectives of the DDN...

...1 EDX environment.
      2. Verify the SNAPS product "port" to the 68000 SOS environment.
   SNAP-**LINK** -- SDLC Data **Link** Control,
   SNAP-2 -- SNA Physical Unit Type 2,
   SNAP-5 -- SNA Physical Unit Type 5...architecture to be modelled. An
example of the Configuration Information is the quantity of serial **links**
   from the S/1 to DDN.
Description of Output Results
      1. An example of the...

...seconds).
   Input Parameters
      Number of Users: 100
      Number of TS/1s: 4
      Number of SDLC **Links** per TS/1: 8
      Number of Request Pkts: 1
      Number of Response Pkts: 5
      Transaction...

...presents information on the various components of one-way packet delay:
   DDN Delay: .122
   SDLC **Link** Delay-Request: .227
   SDLC **Link** Delay-Response: .240
   DDN I/F Delay-Request: .110
   DDN I/F Delay-Response: .125...can have the effect of denying access to
all TCP users on an X.25 **link** , in spite of the fact that TCP flow
control would allow it and selected virtual...Instead, the exhaustive
network address value defining the TCP connection (port) is composed of
an **internet**   **address** (host **address**) and port on TCP. By implication,
it appears that the terms "host" and "TCP" are...

...if we are to offer upper level services as a common host over multiple
   physical **links** , passive TCP opens must be established over each such
  link to accommodate arbitrary **link** selections by the Interface Message
   Processor (IMP) on routing incoming active opens to that service...

...imposed by the IMP, and are beyond our control, these flow over two
   different hardware **links** . Since the individual TCPs are ignorant of
   each others' activities, connection deadlocks can result.
      These...on the FEP and/or RAF. These elements include NSA PU2, SNA PU5,
   SNA Data **Link** Control (DLC), SNA pass-through applications and SNA
   log-on and security applications. SNA primary...

...and low level designs have been completed and documented for the SNAPS
   PU2, PU5, and **Link** isolation layer AMODs, Personalized Modules (PMODs),
   HMOD, and Console Service Interface (CSI). These include AMODs...

...a MC68000 co-processor provides the PU5 System Service Control Point
   (SSCP) support and SNAP **LINK** on another MC68000 co-processor provides
   the primary Synchronous DLC (SDLC) support to the terminals...

...the FEP,

o A pass-through module between the PU5 DLC AMOD and the SNAP **LINK** AMOD, and
o A DLC modification to the S/1 $SNA Program Product to interface Software
   A SNA PU4 node provides the following four primary functions:
o Data **Link** Control -- Provides the function needed to transmit and receive data over the 370 channel and...
...DDN.
o Path Control -- Provides the function needed to route the data between the data **link** control functions.
o Boundary Node Function -- Provides an interface to attached PU2 peripheral nodes.
o...

...estimated as twice that of the total PU4 support).
   The 370 channel and DDN data **link** control functions, the path control function, and the support code for the centralized network control...

...an overview of these functions.
   PU4 Channel I/O
   The PU4 Channel I/O data **link** control function interfaces with the channel attached MC68000 card to communicate with one host over...

...PU4 Channel I/O function and the channel attached MC68000 card together perform the Data **Link** Control and as such respond to all channel commands as a NCP 3725 Communications Controller...

...coding has begun for this function.
   PU4 DDN I/O
   The DDN I/O data **link** control function interfaces with the TCP API to communicate with the remote PU4 FEPs on the DDN. The DDN I/O function and TCP API together perform the Data **Link** Control for the DDN interface. DDN Access Method (DNAM) resides in the EDX supervisor partition...down load new configurations, distribute password and user profiles, and retrieve dump and audit trail **information** .
o HCF -- **Product** used to allow the network operator to enter S/1 commands remotely on a FEP...Interface Message Processor (IMP) is an RS449 Type SR physical interface (ISO level 1). The **link** level protocol shall be HDLC (ISO level 2). The packet level shall be X.25...

...or more defined LU2s (windows). The RAF shall be the primary station on the SDLC **link** . The SDLC **link** to an SNA 3274 shall be point-to-point. The PCs emulating 3274 may be...Interface Message Processor (IMP) is an RS449 Type SR physical interface (ISO level 1). The **link** level protocol shall be HDLC (ISO level 2). The packet level shall be X.25...Interface Message Processor (IMP) is an RS449 Type SR physical interface (ISO level 1). The **link** level protocol shall be HDLC (ISO level 2). The packet level shall be X.25...

...also allows the user to build their system elements (code and tables) at one central **site** and distribute them over the network.
   The system is comprised of hosts, Network Control Hosts...LU sessions via the DDN.
   For a new Series/1 node to become operational, the **site** operator must allocate all datasets locally on the Series/1 as per instructions contained in documentation distributed with the diskettes.
   The **site** operator follows a script that has instructions on:
   - Creating the required EDX volumes and data...

...tapes of the DDN/SNA baseline DSX resource repository.
   To install the user's MNCH **site** , programs and tables are distributed from an IBM development **site** . The MNCH is the NCH on which the user runs Sysgen, and from which all...one PU4 channel. The PU4 Channel I/O function and BCAM, together, perform the data **link** control function and as such, respond to all channel commands as a Network Control Program...

...FEPs on the DDN. The DDN I/O function and DNAM, together, perform the data **link** control function for the DDN interface. DNAM resides in one

• of the EDX supervisor partitions...System Wide Operator Facilities (SWOF), SNA Passthru, High Level Interface (HLI) Application Program Interface (API), **Logon** , Security/Audit, $SNA Data **Link** Control (DLC) Interface, SNAPS to SNAPS Access Module (AMOD), HLI AMOD, DLC AMOD, Console Services Interface (CSI) Personality Module (PMOD), Transmission Control Interface (TCI) AMOD, Common AMOD, SNAP-**LINK** AMOD, SNAPS Hardware Module (HMOD), Operator Interface, Console Services, and Channel DLC.
   Network Control facilities...

...within a FEP/NCF and RAF is provided by, SNAPS software (SNAP2, SNAP-5, SNAP-**LINK** , SNAP-THRU). We have ported this code to the 68000 co-processor hardware in the...

...the primary PU5 SNA support (SSCP) to downstream PU2 devices attached to the RAF. SNAP-**LINK** , with the associated SDLC HMODs, provides the DLC layer for communicating with the downstream SNA...

...and access a VTAM host and establish an SNA session with a host application. The **LOGON** program, in conjunction with the HLI interfaces to SNAP-5, provide menu-driven services to the user. These services include **logon** and password authorization via a security/audit program, and user selection of a host system and application. **Logon** establishes the connection through TCP/IP to the selected host FEP. A successful "bind" from...

...FEP and to the host application. Receipt of an "unbind" transfers control back to the **LOGON** program, the TCP/IP connection is broken, and the default menu reappears on the user...status of the TCP connection,
   o TCP HOSTNAM - convert a TCP host name to an **Internet** **address** ,
   o TCP COND - TCP connection descriptor, and
   o TCP BUFD - TCP send and receive buffer...rejects requests from remote hosts to establish communication connections referencing the DDN physical or logical **Internet** **address** of that attachment during the recovery interval. Also, DNAM rejects requests to establish communication connections from the local host referencing the DDN physical or logical **Internet** **address** during the recovery interval. If the recovery action is successful, then DNAM updates the configuration...

...then the installation continues to operate in the degraded mode. DNAM moves the DDN logical **Internet** **address** of the failed attachment to another physical attachment. DNAM accepts attempts to establish communication connections...

14/3,K/22   (Item 22 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00286638
ORDER fax of complete patent from KR SourceOne. See HELP ORDER348
Decharacterization of base wine and its use in the preparation of flavored beverages.
Decharakterisierung von Grundwein und seine Verwendung bei der Herstellung von aromatisierten Getranken.
Elimination du caractere distinctif d'un vin de base et son utilisation dans la preparation de boissons aromatisees.
PATENT ASSIGNEE:
   Heublein, Inc., (912460), Munson Road, Farmington Connecticut 06032, (US) , (applicant designated states: AT;BE;CH;DE;ES;FR;GB;GR;IT;LI;LU;NL;SE)
INVENTOR:
   Shrikhande, Anil J., 5E Staunton Court, Farmington Connecticut 06032, (US)
   Alioto, Joseph A., 2430 Howard Road 38, Madera California, (US)
LEGAL REPRESENTATIVE:
   Richter, Werdermann & Gerbaulet (100442), Neuer Wall 10, W-2000 Hamburg 36, (DE)
PATENT (CC, No, Kind, Date): EP 281053 A2 880907 (Basic)

EP 281053 A3 881019
EP 281053 B1 920506
APPLICATION (CC, No, Date):   EP 88102987 880229;
PRIORITY (CC, No, Date): US 21050 870302
DESIGNATED STATES: AT; BE; CH; DE; ES; FR; GB; GR; IT; LI; LU; NL; SE
INTERNATIONAL PATENT CLASS: C12G-003/06; C12H-001/02;
ABSTRACT WORD COUNT: 45

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	541
CLAIMS B	(German)	EPBBF1	383
CLAIMS B	(French)	EPBBF1	477
SPEC B	(English)	EPBBF1	2529
Total word count - document A			0
Total word count - document B			3930
Total word count - documents A + B			3930

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

...SPECIFICATION 35". These resins are classified as weak base anion
  exchangers having a high porosity phenolic **matrix** styrene divenyl
  matrix or acrylic divenyl benzene matrix with amine active sites.
     For further descriptive...is directed to: the "Rohm and Haas Ion
  Exchange Resins" printed in 1985 by Rohm **and** Haas **Company** as
 Technical Bulletin Fluid Process Chemicals. It should be understood of
  course that the resins specifically identified...

 14/3,K/23   (Item 23 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 1998 EUROPEAN PATENT OFFICE. All rts. reserv.

00254188
ORDER fax of complete patent from KR SourceOne. See HELP ORDER348
Rotary powered linear actuated clamp.
Durch Rotation angetriebene, linear betatigte Spannzwinge.
Serre-joints actionne lineairement a entrainement rotatif.
PATENT ASSIGNEE:
  Dover Corporation, De-Sta-Co Division, (857840), 250 Park Street, Troy,
    MI 48007, (US), (applicant designated states: BE;DE;ES;FR;GB;IT;NL;SE)
INVENTOR:
  McPherson, Alexander, 29676 Middlebelt Road, Farmington Hills, MI 48018,
    (US)
  Harkrader, Alan, 6333 Hayes Tower Road, Gaylord, MI 49735, (US)
LEGAL REPRESENTATIVE:
  Wehnert, Werner et al (12791), Patentanwalte Dipl.-Ing. Hauck,
    Dipl.-Phys. Schmitz, Dipl.-Ing. Graalfs, Dipl.-Ing. Wehnert,
    Dipl.-Phys. Carstens, Dr.-Ing. Doring Mozartstrasse 23, W-8000 Munchen
    2, (DE)
PATENT (CC, No, Kind, Date):   EP 255853 A2 880217 (Basic)
                               EP 255853 A3 890816
                               EP 255853 B1 930303
APPLICATION (CC, No, Date):   EP 87105883 870422;
PRIORITY (CC, No, Date): US 894963 860808
DESIGNATED STATES: BE; DE; ES; FR; GB; IT; NL; SE
INTERNATIONAL PATENT CLASS: B25B-005/12; B23Q-003/06;
ABSTRACT WORD COUNT: 52

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	619
CLAIMS B	(German)	EPBBF1	587
CLAIMS B	(French)	EPBBF1	793
SPEC B	(English)	EPBBF1	1919
Total word count - document A			0

...SPECIFICATION 46 as well as link actuator diameter 73, although greater
   than the thickness of arm **12** and spacing of roller track plates 14
   shown in Fig. 1, have clearance resulting from...
...molded in place on a master screw. The preferred plastic material is
   available under the **trade   name** "Moglice" and registered **trademark**
   "Diamant" distributed by Moglice **Products   Inc ., as** supplied by the
   German company Diamant Metallplastic GMBH. Such material is characterized
   by low friction...

 14/3,K/24   (Item 24 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 1998 EUROPEAN PATENT OFFICE. All rts. reserv.

00237055
Ethylene dimerization and polymerization.
Verfahren zur Oligomerisierung von Athan.
Procede pour l'oligomerisation d'ethylene.
PATENT ASSIGNEE:
   PHILLIPS PETROLEUM COMPANY, (201539), 5th and Keeler, Bartlesville
      Oklahoma 74004, (US), (applicant designated states:
      AT;BE;CH;DE;ES;FR;GB;IT;LI;LU;NL;SE)
INVENTOR:
   McDaniel, Max Paul, 1610 SE Melmart Drive, Bartlesville, OK 74006, (US)
   Smith, Paul David, 4927 Feagan, Houston, TX 77007, (US)
   Klendworth, Douglas Dean, 3211 Wayside Drive, Bartlesville, OK 74006,
      (US)
LEGAL REPRESENTATIVE:
   Dost, Wolfgang, Dr. rer. nat. Dipl.-Chem. et al (3041), Patent- u.
      Rechtsanwalte Bardehle, Pagenberg, Dost, Altenburg Frohwitter & Partner
      Galileiplatz 1, W-8000 Munchen 80, (DE)
PATENT (CC, No, Kind, Date): EP 230983 A1 870805 (Basic)
                              EP 230983 B1 910724
APPLICATION (CC, No, Date):   EP 87100821 870122;
PRIORITY (CC, No, Date): US 822453 860127
DESIGNATED STATES: AT; BE; CH; DE; ES; FR; GB; IT; LI; LU; NL; SE
INTERNATIONAL PATENT CLASS: C07C-002/30; B01J-031/14; B01J-031/26;
ABSTRACT WORD COUNT: 38

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	409
CLAIMS B	(German)	EPBBF1	409
CLAIMS B	(French)	EPBBF1	467
SPEC B	(English)	EPBBF1	4401
Total word count - document A			0
Total word count - document B			5686
Total word count - documents A + B			5686

...SPECIFICATION a commercial catalyst of the type sold by Catalyst
   Resources, Inc. under the trade name **Lynx** 705. That catalyst is one of
   the **type   disclosed   in   U** .S. Patent No. 4,347,158.
      The **Lynx** 705 (see image in original document)
   catalyst when used in the amount of 0.0489 gm along with 1 **ml** of TEA
   gave 4622 gm of polymer in 26 minutes. There was no evidence of olefin
   production.
      To carry out a cojoint polymerization/dimerization 0.0691 gm of ·**Lynx**
   705 catalyst and 8 ml of the blue-green solution of Example II were
 added along with 2 ml of TEA to the reactor. Ethylene consumption

started at 336 gm...

...scum of polymer was found in the reactor.
    In another run 0.1289 of the **Lynx** 705 catalyst and 1 ml of TEA were
employed and 0.5 ml of **Ti** (OEt)(sub 4) was employed in place of the
blue-green solution. There was no...

...of 0.4521 gm, was charged to the reactor along with 0.0621 gm of **Lynx**
705 catalyst and 1 ml of TEA. A vigorous **reaction** started and grew
rapidly until by 10 minutes the reaction had to be shut down...

...close to that obtained in a control run in which 0.0357 gm of the **Lynx**
705 catalyst was used with 1 ml of TEA **in** the absence of dimerization
catalyst.
    Since it is known that copolymerization generally never occurs as...

14/3,K/25   (Item 25 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00236488
ORDER fax of complete patent from KR SourceOne. See HELP ORDER348
**Method of bonding inorganic particulate material, particularly for
    multilayer ceramic substrates.**
**Verfahren zum Verbinden anorganischer Partikel, insbesondere fur
    Mehrlagen-Keramiksubstrate.**
**Procede pour lier des materiaux inorganiques en particules, en particulier
    pour des substrats ceramiques multicouches.**
PATENT ASSIGNEE:
    International Business Machines Corporation, (200120), Old Orchard Road,
        Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB;IT)
INVENTOR:
    Anderson, Herbert Rudolph, Jr., RR. No. 1, Box 44, Patterson N.Y. 12563,
        (US)
    Araps, Constance Joan, RD 376 & Mvers Corner Rd, Wappingers Falls N.Y.
        12590, (US)
    Divakaruni, Renuka Shastri, 153 Oscaleta Rd, Ridgefield, Conn. 06877,
        (US)
    Sachdev, Krishna Gandhi, 14 Tanglewood Drive, Wappingers Falls, N.Y.
        12590, (US)
    Zalar, Stoyan Mathias, 222 Spackenkill Rd., Poughkeepsie N.Y. 12603, (US)
    Kirby, Daniel Patrick, 34 Pleasant Ridge Drive, Poughkeepsie N.Y. 12603,
        (US)
    Wolffnufer, Robert, R.D. No. 3, Box 234, Hopewell Junction N.Y. 12533,
        (US)
    Sachdev, Harbans Singh, 14 Tanglewood Drive, Wappingers Falls N.Y. 12590,
        (US)
    Suryanarayana, Darbha, 324 Burd Drive, Vestal N.Y. 13850, (US)
LEGAL REPRESENTATIVE:
    Colas, Alain (14801), Compagnie IBM France Departement de Propriete
        Intellectuelle, F-06610 La Gaude, (FR)
PATENT (CC, No, Kind, Date):   EP 237700   A2   870923 (Basic)
                               EP 237700   A3   890222
                               EP 237700   B1   920506
APPLICATION (CC, No, Date):   EP 87100210 870109;
PRIORITY (CC, No, Date): US 829344 860214
DESIGNATED STATES: DE; FR; GB; IT
INTERNATIONAL PATENT CLASS: C04B-035/00; C03C-010/00; H01L-021/48;
    H05K-003/46;
ABSTRACT WORD COUNT: 94

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	583
CLAIMS B	(German)	EPBBF1	564
CLAIMS B	(French)	EPBBF1	703

```
       SPEC B    (English) EPBBF1      4767
Total word count - document A          0
Total word count - document B       6617
Total word count - documents A + B  6617
```

ORDER fax of complete patent from KR SourceOne. See HELP ORDER348

...SPECIFICATION complexes formed by the reaction of titanium alkoxides
with organic ligands which serve as donor **sites** for titanium. These
chelates can **be** represented by the following general formula: (see
image in original document)
where X represents a...

...These reagents are commercially available from E.I. DuPont de Nemours
and Company under the **trade names** "Tyzor" **organic** titanates or
from Kenrich Chemicals Corp. under the **trade name** "Ken-React".
  The following **Examples are** disclosed to depict preferred specific
embodiments of the invention and are not intended to unduly...

 14/3,K/26   (Item 26 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 1998 JPO & JAPIO. All rts. reserv.

04944779
THANK-YOU LETTER CARD

PUB. NO.:   07-237379 [JP 7237379 A]
PUBLISHED: September 12, 1995 (19950912)
INVENTOR(s):   HAGA EIGO
APPLICANT(s):   C I C KK [000000] (A Japanese Company or Corporation), JP
                · (Japan)
APPL. NO.:   06-053129 [JP 9453129]
FILED: February 25, 1994 (19940225)

                        ABSTRACT
... nearly one half as large as a name card are lightly printed at the
predetermined **sites**   on the surface of the name card. The letters are
printed in grass characters or...

... with the predetermined color such as light blur color or other proper
color. Further, a **company**   mark 3, a **company name** 4, the business
object of the company 5 are printed in different color. Furthermore, the...

 14/3,K/27   (Item 27 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 1998 JPO & JAPIO. All rts. reserv.

03233795
CARD EQUIPPED WITH READING INDICATION CORNER

PUB. NO.:   02-209295 [JP 2209295 A]
PUBLISHED: August 20, 1990 (19900820)
INVENTOR(s):   SUGIMOTO HIKARI
                SUGIMOTO HARUE
APPLICANT(s):   SUGIMOTO HIKARI [000000] (An Individual), JP (Japan)
APPL. NO.:   01-029722 [JP 8929722]
FILED: February 10, 1989 (19890210)
JOURNAL: Section: M, Section No. 1044, Vol. 14, No. 506, Pg. 90,
                November 06, 1990 (19901106)

                        ABSTRACT
...CONSTITUTION: A **company name** 3, a post 4, a position 5, a name 6, a
postal code number 7, the **site** 8 of a company and a phone number 9 are
entered in card base paper...

...line can be read over a length of 5cm and is A, that is, the **company**

name , a **mark** '4-7-D' being data wherein the fourth line can be read
over a length...
?pause
>>> PAUSE started.
?

```
?show files;ds
File   15:ABI/INFORM(R) 1971-1998/Mar W1
          (c) 1998 UMI
File    9:Business & Industry(R) Jul 1994-1998/Mar 10
          (c) 1998 Resp. DB Svcs.
File   13:BAMP 1998/Mar W1
          (c) 1998 Resp. DB Svcs.
File  635:Business Dateline(R) 1985-1998/Mar W1
          (c) 1998 UMI
File  610:Business Wire 1986-1998/Mar 10
          (c) 1998 Business Wire
File  647:CMP  Computer Fulltext 1988-1998/Feb W2
          (c) 1998 CMP
File  674:Computer News Fulltext 1989-1998/Feb W4
          (c) 1998 IDG Communications
File   98:General Sci Abs/Full-Text 1984-1998/Jan
          (c) 1998 The HW Wilson Co.
File   88:IAC BUSINESS A.R.T.S. 1976-1998/Mar 10
          (c) 1998 Information Access Co.
File  275:IAC(SM) Computer Database(TM) 1983-1998/Mar 10
          (c) 1998 Info Access Co
File   12:IAC Industry Express (TM) 1995-1998/Mar 10
          (c) 1998 Info. Access Co.
File   47:Magazine Database(TM) 1959-1998/Mar 10
          (c) 1998 Information Access Co.
File   75:IAC Management Contents(R) 86-1998/Mar W1
          (c) 1998 Info Access Co
File  111:Natl.Newspaper Index(SM) 1979-1998/Mar 09
          (c) 1998 Info. Access Co.
File  211:IAC Newsearch(TM) 1997-1998/Mar 10
          (c) 1998 Info. Access Co.
File  636:IAC Newsletter DB(TM) 1987-1998/Mar 10
          (c) 1998 Information Access Co.
File   16:IAC PROMT(R) 1972-1998/Mar 10
          (c) 1998 Information Access Co.
File  148:IAC Trade & Industry Database 1976-1998/Mar 10
          (c) 1998 Info Access Co
File  624:McGraw-Hill Publications 1985-1998/Mar 05
          (c) 1998 McGraw-Hill Co. Inc
File  484:Periodical Abstracts Plustext 1986-1998/Feb W3
          (c) 1998 UMI
File  141:Readers Guide 1983-1998/Jan
          (c) 1998 The HW Wilson Co
File  696:DIALOG Telecom. Newsletters 1995-1998/Mar 09
          (c) 1998 The Dialog Corp.
File  553:Wilson Bus. Abs. FullText 1982-1998/Jan
          (c) 1998 The HW Wilson Co
File  621:IAC New Prod.Annou.(R) 1985-1998/Mar 10
          (c) 1998 Information Access Co
File  278:Microcomputer Software Guide 1998/Feb
          (c) 1998 Reed Elsevier Inc.
File  256:SoftBase:Reviews,Companies&Prods. 85-1998/Jan
          (c)1998 Info.Sources Inc


Set     Items    Description
S1     139163    (PRODUCT? OR MERCHANDISE OR CATALOG?)(2N)(NUMBER? ? OR COD-
                 E? ?) OR UNIFORM?()PRODUCT?()CODE? OR UPC OR STANDARD?()INDUS-
                 TRIAL?()CLASSIFICATION?()CODE? OR SIC?()CODE?
S2     363781    WEB()BROWSER? OR BROWSER? OR NETSCAPE? OR EXPLORER? OR CLI-
                 ENT()PROGRAM? OR LYNX? OR MOSAIC
S3     206229    UNIVERSAL?()RESOURCE?()LOCAT?R? OR U()R()L? ? OR URL? ? OR
                 UNIFORM?()RESOURCE? OR WEB()ADDRESS? OR INTERNET?(2N)ADDRESS?
                 OR RESOURCE? ?(2N)ADDRESS?(4N)INTERNET?
S4    3158857    LINK? ? OR SITE? ? OR WEB()SITE? ? OR WEBSITE? OR WEB?()PA-
                 GE? OR INTERNET?()PAGE? OR HOME()PAGE? OR HOMEPAGE?
S5    1688028    (PRODUCT? OR COMPANY?)(2N)(INFORMATION? OR DATA? OR NAME? -
                 OR DESCRIPTION? OR SPECIFICATION? OR REVIEW? ?) OR COUPON? ?
S6    1259378    TRADE?()MARK? OR TRADEMARK? OR TRADE?()NAME? OR TRADENAME?
```

```
                  OR LOGO? OR COMPAN?(2N)(MARK? OR EMBLEM?)
S7        591    S2(S)S3(S)S4(S)S5(S)S6
S8      10756    (ENTER? OR SEARCH? OR TYPE? OR SCAN?)(2W)S6
S9          8    S7(S)S8
S10         8    S2(S)S3(S)S4(S)S5(S)S8
S11       317    S2(S)S8
S12       140    S4(S)S11
S13        59    S5(S)S12
S14        59    S9:S10 OR S13
S15        53    RD (unique items)
?t15/3,k/all
>>>KWIC option is not available in file(s): 278
```

15/3,K/1   (Item 1 from file: 16)
DIALOG(R)File 16:IAC PROMT(R)
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06582942   SUPPLIER NUMBER: 06582944
Dataware Technologies introduces Visual Basic Toolkit for BRS/Search.
Business Wire   Dec 16, 1996   p. 12161159
FULL TEXT AVAILABLE IN FORMAT 7 OR 9 WORD COUNT: 682

     ...than 20 countries. For further information, visit
http://www.dataware.com -0- Dataware and BRS/**Search** are registered
trademarks owned by Dataware Technologies, Inc. Other **product** or
company names mentioned in this press release may be trademarks or
registered trademarks of their respective companies...

...trademarks of the Microsoft Corporation in the United States and/or
other countries. Point your **browser** to the Microsoft industry **home**
page at http://www.microsoft.com/industry/ .

          CONTACT: Dataware Technologies, Cambridge
                    Peggy Flynn, 617/577-2802...

15/3,K/2   (Item 2 from file: 16)
DIALOG(R)File 16:IAC PROMT(R)
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06581886   SUPPLIER NUMBER: 06581888
Firefly Network provides open approach for a personalized and measurable
   web experience.
Business Wire   Dec 3, 1996   p. 12030272
FULL TEXT AVAILABLE IN FORMAT 7 OR 9 WORD COUNT: 1530

     ...an open architecture to support existing Internet standards and
market leaders, including server-side and **database products** from
Microsoft, **Netscape** , Oracle, Silicon Graphics and Sun Microsystems. This
open approach also makes it easy for third...

...added applications which work seamlessly with Firefly software tools. As
a result, content providers, commerce **sites** , corporate **enterprises** and
 marketing services **companies** will be able to combine existing
technology investments with Firefly tools to create a solution...

15/3,K/3   (Item 1 from file: 621)
DIALOG(R)File 621:IAC New Prod.Annou.(R)
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00837508   00837948

Mastering, Inc. to Offer Training for Enterprise Software Applications

PR Newswire
DATELINE: SCOTTSDALE, Ariz.   Dec 16, 1997   WORD COUNT: 699

...Vice President of Marketing, at 800-800-9686 or at
anne wolf@masteringcomputers.com. Additional **company** **information** can
be found at www.masteringcomputers.com.

Mastering, Inc. is a leading provider of information...

...including both IT professional and end-user training
courses focused on products from Microsoft, Novell, **Netscape** and
Lotus that can be delivered on CD-ROM, LAN/WAN, and corporate
intranets. Additional **company** **information** can be found at
http://www.masteringcomputers.com.

SOURCE Mastering, Inc.
   -0-   12/16/97

/NOTE TO EDITORS: Siebel, Siebel Sales Enterprise, and Siebel
Service **Enterprise** are **trademarks** of Siebel Systems Inc. and may be
registered in certain jurisdictions/

/CONTACT: Amy LaBan of Mastering, Inc., 602-922-7580, e-mail:
alaban@eriver.com/

   /**Web** site : http://www.masteringcomputers.com/
   (MASC)

CO: Mastering, Inc.
ST: Arizona, Illinois
IN: CPR
SU: PDT...

 15/3,K/4   (Item 2 from file: 621)
DIALOG(R)File 621:IAC New Prod.Annou.(R)
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00819663   00820103

**Information Dimensions Adds Distributors for BASIS Arabic Product Now
 Available for Windows NT**

PR Newswire
DATELINE: DUBLIN, Ohio   Sep 22, 1997   WORD COUNT: 676

Atallah, Shamma and GIZA Strengthen **Information** Dimensions' **Product** Rea
ch in
         the Middle East; New Version Available for Windows NT

DUBLIN, Ohio, Sept. 22...

...GIZA

Cairo-based GIZA Systems Engineering designed, created and
implemented two very large database-supported **web** **sites** for the
Egyptian Army's Office of Morale Affairs in January 1997. GIZA
completed the multilingual project, which has become the **web** **site**
standard for the country's armed forces, in less than 14 months.
One of the **web** **sites** is a secured **home** **page** for internal Egyptian
Army use that monitors media coverage and provides analysis of that
coverage in both English and Arabic. The second **site** is similar,
but contains more general unclassified information. Both **sites** are
accessible 24 hours a day by military personnel via local Internet
 web **browsers** .

"Building systems of this magnitude and importance is a remarkable
achievement for any company, but...

...that allows users to combine their investments in legacy systems
with the convenience of standard **web** **browsers** to create, index,

search and retrieve business-critical documents.

About Information Dimensions

Information Dimensions (http...

...growing
customer base with a worldwide network of direct sales, distributors
and business partners. The **company** realizes **Information** Management
for the Borderless Enterprise(TM) by delivering secure document
management and library solutions via...

...Angeles, CA.

NOTE: BASIS and TECHLIB are registered trademarks and Information
Management for the Borderless **Enterprise** is a **trademark** of
Information Dimensions or its affiliates in the USA and certain
other countries. Microsoft and...

 15/3,K/5   (Item 3 from file: 621)
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00819509   00819949

Lotus Reaches New Channels Through VAR Seminar Series

PR Newswire
DATELINE: CAMBRIDGE, Mass.   Sep 25, 1997   WORD COUNT: 1375

...mail and
calendaring; five user licenses with a choice of Lotus Notes Desktop
clients or **browser** with mail access, and 12 ready-to- customize
business applications.

The tour, which is co...

...and IBM, offer VARs the opportunity to
hear firsthand about strategies for reaching the small **enterprise
market** .

"Small **companies** have seen the value of connecting to the Internet
and VARs are now searching for...
...relationship
management applications, office automation applications, information
sharing and project collaboration applications and a public **Web
site** .

VARs can activate all 12 of these ready-to-use business applications
at once or...

...custom programming expertise.
Domino Intranet Starter Pack also allows VARs to manage a client's
 site remotely, via a **Web** **browser** or Notes client, making the support
process more efficient. This allows small enterprises to work...

...of Domino Intranet Starter Pack. VARs will also be given
access to a new Lotus **Web**   **site** , VARCentral (available in late
October), that has been designed and developed to provide marketing
and...

...and understanding of Lotus products. VARs who join the
Lotus Business Partner program will receive **product** release
 information , tool kits, training, education and certification, and
access to a myriad of marketing programs to...
...new
business. They can also take advantage of online tools via the new

Developer Central **Web** site (http://www.lotus.com/developers),
which provides all developers with the latest Lotus developer tools...Servi
ces Group. For more information on the Lotus Internet
applications product line, visit the Lotus **Web** site at
http://www.lotus.com or call 1-800-343-5414 in the United States...

...owners.

All Lotus news releases are available on the Internet, via the Lotus
Development Corp. **Home** **Page** at http://www.Lotus.com. The Lotus **Home**
 Page is an easy way to find information about Lotus and its business
partners' products and services.

A copy of this release and other **company** **information** is also
available via fax by dialing 1-800-57-LOTUS within the U.S...

...or Elena Fernandez of Lotus Development Corp.,
617-693-1606, Elena Fernandez@crd.lotus.com/

   /**Web** site : http://www.lotus.com/
   (IBM)

CO: Lotus Development Corporation
ST: Massachusetts
IN: CPR
SU:

KR...

 15/3,K/6 **(Item 4 from file: 621)**
DIALOG(R)File 621:IAC New Prod.Annou.(R)
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00808911   00809351

Beyond Software and Cap Gemini Announce European-Wide Partnership to
 Provide Solutions to Transform Legacy Applications into Web Enabled
 Enterprise Solutions.

Business Wire
DATELINE: SAN JOSE, Calif.   August 26, 1997   WORD COUNT: 529

...from Beyond include integrated email and calendaring
applications for the IBM Office Vision environment and **browser**
technology for 3270 users.

Brian Reaves, President and CEO of Beyond Software, noted: "We are...

...OS/390
Webservers. For more information on Beyond's product offerings,
visit the company's **Web** site at www.beyond-software.com .

About Cap Gemini
 Cap Gemini Group is the largest European...

...solutions that enable them to
address their most critical issues. Cap Gemini's World Wide **Web**
 address is www.capgemini.com . -0-

Note to Editors: Beyond Software and **EnterpriseWeb** , are **trademarks**
of Beyond Software Inc. All other **company** and **product** names are
registered **trademarks** of their respective owners.

   CONTACT: Beyond Software Inc., San Jose
             Michelle Barnes, 408/436-5974...

DIALOG(R)File 621:IAC New Prod.Annou.(R)

00804585   00805025

**Beyond Software and SofTouch Systems Partner to Expand Web Enablement of
Legacy Applications into Web Enabled Enterprise Solutions.**

Business Wire
DATELINE: ATLANTA   August 13, 1997   WORD COUNT: 597

...MVS
3270 datastream management facilities used for transforming on-line
transaction processing (OLTP) applications into **Web   browser** ready
documents. With the CrossPlex and EnterpriseWeb/MVS solution, the
legacy application, data and Web server all reside natively on the
mainframe. A standard **Web   browser** is the user interface.

With CrossPlex and EnterpriseWeb/MVS, corporations now have the
ability to exploit the flexibility and ease of use of the **Web
browser** and, at the same time, address the critical business
requirements to give Internet/Intranet users...

...390 platform and currently has the largest installed base of S/390
webservers. For more **information** , visit the **company** 's **Web   site** at
http://www.beyond-software.com .

About SofTouch Inc.

SofTouch Systems, based in Oklahoma City...

...many software accommodations including the top ten companies for
best overall customer support. For more **information** , visit the
company 's **Web   site** at http://www.softouch.com . -0-

NOTE TO EDITORS: Beyond Software, EnterpriseWeb, EnterpriseWeb VM
and **EnterpriseWeb** Mail are **trademarks** of Beyond Software Inc.
CrossPlex and SofTouch are registered trademarks of SofTouch Systems
Inc. All other **company** and **product   names** are registered trademarks
of their respective owners.

   CONTACT: Beyond Software
            Michelle Barnes, 408/436-5974...

DIALOG(R)File 621:IAC New Prod.Annou.(R)

00794159   00794598

IBM to Leverage SCO UnixWare for Enterprise Power on IBM PC Server

PR Newswire
DATELINE: SANTA CRUZ, Calif.   July 8, 1997   WORD COUNT: 1488

...computer manufacturers who
have pledged their support for the SCO UnixWare operating system in
the **enterprise   market** . These **companies** include Compaq, Data
General, NCR, ICL High Performance Systems, Olivetti, Siemens
Nixdorf, and Unisys. These...

...Servers and SCO UnixWare and, in the near
future, IBI will make available SmartMart, our **datamart   product** ."

Enterprise Ready

SCO continues to develop and enhance the enterprise capabilities of
the highly-scalable...
...for business-critical environments.

Internet enhancements tightly integrated into the SCO UnixWare
system, include the **Netscape** FastTrack Server 2.0 for creating and
managing Internet/intranet **sites** ; **Netscape** Navigator Gold 3.0 for
Web access and publishing enhanced PPP for robust dial-up...

...easily add extensions to their
Internet/intranet environment with other recently announced
components, including the **Netscape** Enterprise Server 2.0, **Netscape**
Proxy Server 2.5. **Netscape** LiveWire, and the SCO Internet to NetWare
Gateway for easily connecting systems on NetWare LANs...

...network of distributors, resellers,
systems integrators, and OEMs. For more information, see SCO's WWW
 home **page** at http://www.sco.com.

   Positioning Statements

   Compaq

"Compaq is committed to supporting the development...UNIX is a
registered trademark of The Open Group in the US and other
countries. **Netscape** FastTrack Server, **Netscape** Enterprise Server,
 Netscape Proxy Server, and **Netscape** LiveWire are trademarks of
 Netscape Communications Corporation. Java is a trademark of Sun
Microsystems, Inc. All other brand or **product** **names** are or may be
trademarks of, and are used to identify products or services of...

 15/3,K/9   (Item 7 from file: 621)
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00792572   00793011

**Beyond Software Announces the General Availability of EnterpriseWeb/VM 1.3,
 a Powerful Web Server for the VM Operating Environment.**

Business Wire
DATELINE: SAN JOSE, Calif.   July 9, 1997   WORD COUNT: 384

...web-enable their
legacy applications, thereby improving ease of use and reducing
costs. Using commercial **web** **browsers** such as **Netscape** Navigator and
Microsoft Internet **Explorer** , users are able to connect directly to
legacy applications maintained on the VM platform.

"EnterpriseWeb...

...been on the market for over a year now,
is installed at more than 120 **sites** and has been very well
received. In fact, we have worked with our customers to...

...commercial web
server for the System 390 platform, is based in San Jose. For more
 information , visit the **company** 's **Web** **site** at
http://www.beyond-software.com . -0-

NOTE TO EDITORS: Beyond Software, EnterpriseWeb, EnterpriseWeb/VM
and **EnterpriseWeb** /MVS are **trademarks** of Beyond Software
Incorporated. All other **company** and **product** **names** are registered
trademarks of their respective owners.

   CONTACT: Beyond Software Inc., San Jose
             Michelle Barnes...

15/3,K/10   (Item 8 from file: 621)
DIALOG(R)File 621:IAC New Prod.Annou.(R)

00787827   00788266

**Verity's SEARCH'97 Personal   for browsers receives four-star rating by PC
Computing Magazine; SEARCH'97 Personal's easy setup and fast search
capability   wins   out   over AltaVista's Search My Computer Private
eXtension.**

Business Wire
DATELINE: SUNNYVALE, Calif.   June 20, 1997   WORD COUNT: 686

...announced
that Verity's SEARCH'97 Personal received a four-star rating in an
independent **product   review** conducted by PC Computing Magazine, the
leading personal computer magazine.

The **product   review** , published in the June 97 edition of PC
Computing, compared Verity's SEARCH'97 Personal...

...SEARCH'97 Personal's ability to perform fast
searches and its ease of use, the **product   review** pointed out several
features that gave SEARCH'97 Personal a highly favorable rating,
including its...

...Exchange.

Verity is expanding the product line to include its SEARCH'97
Personal products for **Netscape** Navigator/Communicator and Microsoft
 Explorer which are shipping now. IntelliServ for SEARCH'97 is
scheduled for general availability in the...

...users the ability to search and navigate large
relational databases rapidly and effectively from a **web   browser** , as
well as enhanced text viewing and filtering solutions for its
SEARCH'97 platform.

About...

...T, CNET, Cisco, Compaq,
Dow Jones, Financial Times, Individual Inc., Informix, NEC, Lotus
Development Corp., **Netscape** Communications, PC DOCS, SAP, SCO,
Siemens Nixdorf, Sybase, Tandem and Times Mirror Pathfinder.

This release...
...Commission.

For more information contact Verity at info@verity.com or at the
World Wide **Web   site** http://www.verity.com/ or by calling
408/541-1500 -0-

Note to Editors: Verity and **SEARCH** '97 are **trademarks** of Verity Inc.
in the United States and other countries. All other trademarks are
the...

15/3,K/11   (Item 9 from file: 621)
DIALOG(R)File 621:IAC New Prod.Annou.(R)

00784711   00785150

**SystemSoft   to incorporate Verity's SEARCH'97 technology in flagship
problem-resolution SystemWizard product.**

Business Wire
DATELINE: NATICK, Mass.   June 3, 1997   WORD COUNT: 931

...Exchange. Verity is
expanding the product line to include its SEARCH'97 Personal
products for **Netscape** Navigator and Microsoft **Explorer**   which are
shipping now. IntelliServ for SEARCH'97 is scheduled for general
availability in the...

...T, CNET, Cisco, Compaq, Dow
Jones, Financial Times, Individual Inc., Informix, NEC, Lotus
Development Corp., **Netscape** Communications, PC DOCS, SAP, SCO,
Siemens Nixdorf, Sybase, Tandem and Times Mirror Pathfinder.

This release...
...complete transactions, and other risks
identified in the Company's Securities and Exchange Commission
filings.

 Information   on SystemSoft **products**   and services is available on
the World Wide Web at http://www.systemsoft.com

For more information contact Verity at info@verity.com or at the
World Wide **Web**   site   http://www.verity.com/ or by calling
408-541-1500

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 15/3,K/12   **(Item 10 from file: 621)**
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00783062   00783501

**Beyond   Software   announces   the   general availability of enterprise
 application transformation products.**

Business Wire
DATELINE: KANSAS CITY, Mo.   May 15, 1997   WORD COUNT: 630

...access to
important intranet applications, or to the Internet. As a native
VM/CMS text **browser** , Enterprise View is centrally installed, and can
easily be integrated with existing security and application
management systems. In addition, it allows 3270 users access to the
same **Web**   **page**   text as PCs and other desktop **browser** users and to
data displayed in tables and forms. Pricing starts at $15,000 for...

...those without VM user IDs. It updates the current OfficeVision
calendar interface with a graphical **Web**   **browser**   interface so users
can easily view their calendars by day or month, find available
meeting...
...VM, Beyond Software's Web server for the VM operating
system, and supports HTML-compliant **browsers**   such as **Netscape**
Navigator and Microsoft's Internet **Explorer** . Pricing is based on
machine model group. A model group 30 is priced at $4...

...web server for
the System 390 platform, is based in San Jose, California. For more
 information , visit the **company** 's **Web**   site   at
http://www.beyond-software.com .   -0-

Note to Editors: Beyond Software, EnterpriseWeb, EnterpriseWeb/VM
and **EnterpriseWeb** /MVS are **trademarks** of Beyond Software
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    CONTACT: Beyond Software
              Todd Gebhart, 408/436-5900...

  15/3,K/13   (Item 11 from file: 621)
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  00782539   00782978

  Agile Software Corporation to Present At the Red Herring Venture Market West Conference

  PR Newswire
  DATELINE: MONTEREY, Calif., VENTURE MARKET WEST   May 6, 1997
  WORD COUNT: 460

  ...Corporation was founded to provide affordable,
  off-the-shelf Windows- and Java-based client/server **Product   Data**
  Management (PDM) software solutions for fast-paced results-oriented
  enterprises .

     The Agile **Market** Opportunity
     The **Company** 's **market** opportunity is driven by:

  * a fundamental change in manufacturing, which is relying more and
  more...

  ...developed and released three
  revisions of its product; and implemented more than one hundred
  customer **sites** . Key customers include Aspect·Telecommunications,
  Northern Telecom, Hitachi, Westinghouse Electronics, Packard Bell,
  and BF Goodrich...

  ...an Oracle Cooperative Applications Initiative (CAI) Partner, a
  Microsoft (Nasdaq: MSFT) Solution Provider, and a **Netscape** (Nasdaq:
  NSCP) Alliance DevEdge Gold Partner.

  SOURCE Agile Software Corporation

     -0-   05/06/97
     /CONTACT...

  15/3,K/14   (Item 12 from file: 621)
  DIALOG(R)File 621:IAC New Prod.Annou.(R)
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  00780815   00781254

  Ron Weissman, NeXT Computer's former vice president, joins Verity marketing.

  Business Wire
  DATELINE: SUNNYVALE, Calif.   May 27, 1997   WORD COUNT: 829

  ...Prior to joining Verity, Weissman was vice president of sales and
  marketing for the Filoli **Information** Systems **Company** , a provider of
  software solutions for insurance and healthcare. Prior to Filoli, he
  spent more...

  ...T, CNET, Cisco, Compaq,
  Dow Jones, Financial Times, Individual Inc., Informix, NEC, Lotus
  Development Corp., **Netscape** Communications, PC DOCS, SAP, SCO,
  Siemens Nixdorf, Sybase, Tandem and Times Mirror Pathfinder.

About Verity...

...Microsoft Exchange.
Verity is expanding the product line to include SEARCH'97 Personal
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availability in May...

...Commission.

For more information contact Verity at info@verity.com or at the
World Wide **Web** site http://www.verity.com/ or by calling
408/541-1500. -0-

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15/3,K/15   (Item 13 from file: 621)
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00778231   00778670

**Aonix to Web-Enable Corporate Mainframes With Beyond Software's Web Servers
And Aonix' 4GL Technology**

PR Newswire
DATELINE: SAN FRANCISCO   May 13, 1997   WORD COUNT: 1349

...and VM
Environments to Customers Who Want to Access Critical Mainframe Application
s
                         And Data Via **Web   Browsers**

SAN FRANCISCO, May 13 /PRNewswire/ -- In a move geared to expand
its array of solutions...

...to the server platform, copy data from the host to the
server, or implement a **link** between the server and the host data.
Instead, RP/Web allows the passing (or updating...

...allows access to a
wide range of mainframe data sources, heterogeneous joining and
manipulation of **data** , and **production** of reports, tables, and
download files using the power of NOMAD's data descriptions,
rule...

...the third quarter of 1997. The RP/Web product package
includes ten days of on-**site** consulting and training services
designed to give application developers the skills to ...that simplify ent
erprise
computing. Other products from Beyond Software include Enterprise
View(TM), a text **browser** for the VM operating system that provides
3270 terminal users with easy access to **Web** site information, and
EnterpriseWeb Calendar(TM), a Web server add-on that provides **Web**
 browsers access to the IBM OfficeVision/VM calendar environment.

About Aonix

Aonix, with headquarters in San...

...are registered trademarks and RP/Web is a
trademark of Aonix Corporation. Beyond Software and **EnterpriseWeb**
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and **product** **names** are the trademarks of their respective companies.

SOURCE Aonix

  -0-   05/13/97

/CONTACT: Spike...

  15/3,K/16   (Item 14 from file: 621)
DIALOG(R)File 621:IAC New Prod.Annou.(R)

00778184   00778623

OneWave Adds Support for Sun Solaris Operating System

PR Newswire
DATELINE: WATERTOWN, Mass.   May 13, 1997   WORD COUNT: 655

...OneWave AIS manages interaction between application clients,
such as those built with Java, ActiveX or **Netscape** plug-ins, and
back-end resources, such as Enterprise Resource Planning (ERP)
packages, mainframe applications...

...a complete solution. For additional
information about OneWave, please access the company's World Wide
 Web site at http://www.onewave.com, send email to info@onewave.com,
or call 617-923...

...dated March 28, 1997.

NOTE: OneWave(TM), OneWave Application Integration Server(TM) (AIS)
and OneWave **Enterprise** (TM) are **trademarks** of OneWave, Inc. Other
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SOURCE OneWave, Inc...

  15/3,K/17   (Item 15 from file: 621)
DIALOG(R)File 621:IAC New Prod.Annou.(R)

00769926   00770365

Netscape Reports Revenues of $120 Million for First Quarter 1997

PR Newswire
DATELINE: MOUNTAIN VIEW, Calif.   April 23, 1997   WORD COUNT: 1346

New Products, Partnerships and Programs Enhance Enterprise Position

MOUNTAIN VIEW, Calif., April 23 /PRNewswire/ -- **Netscape**
Communications Corporation (Nasdaq: NSCP) today reported revenues
totaling $120.2 million for the first quarter...

...0.04
per share, in the same period a year ago.

"In the first quarter, **Netscape** made solid progress in delivering
the products, programs and partnerships that will help establish
 Netscape software in the enterprise market," said Jim Barksdale,
president and chief executive officer of **Netscape** . "**Netscape** 's
server business continues to grow, especially in the email and
groupware arena, positioning us well for the scheduled release of
 Netscape Communicator(TM) and SuiteSpot(TM) 3.0 in the second
quarter. Business customers such as...

...others continue to

build toward our vision of the Networked Enterprise."

During the first quarter, **Netscape** continued toward its goal of
providing products and programs for the Networked Enterprise. A
white paper by **Netscape** co-founder Marc Andreessen on "The Networked
Enterprise" provides **Netscape** customers with a roadmap for
next-generation client and server products and lays out **Netscape** 's
vision of how, through Extranets, companies can extend the benefits
of Intranets to customers, partners, suppliers and distributors.

In February, **Netscape** released beta versions of its **Netscape**
SuiteSpot 3.0 server software family and **Netscape** Communicator
client software suite. With these new products, customers have
access to all of the components of the open email and groupware
solution **Netscape** announced last fall. **Netscape** SuiteSpot 3.0 and
 Netscape Communicator, which include enhanced security and
administration and other key enterprise features, have already
received numerous positive **reviews** and **product** awards, building
momentum for their final release scheduled for the second quarter
1997.

 Netscape launched a series of programs in the first quarter to
further accelerate the adoption and deployment of its products in
the **enterprise   market** . The **company** announced a five-tiered support
program to deliver support levels designed to match business needs.
In addition, **Netscape** introduced its Enterprise Migration Program,
bundling electronic mail migration tools, pre- and post-sales
support from **Netscape** and systems integrator partners including KPMG
and Cambridge Technologies, and other services to make it easy for
customers to purchase and deploy **Netscape** 's client and server
software for their Intranet and messaging applications. **Netscape**
unveiled the **Netscape** Solution Expert Program to provide resellers,
consultants, and system and network integrators with useful programs
and tools for developing, selling and supporting enterprise Intranet
and Extranet solutions. **Netscape** and software vendor, PeopleSoft,
announced they will work together to help customers extend the
benefits of enterprise applications. **Netscape** also announced that
Corel would integrate **Netscape** Communicator with several of its
office products.
 Netscape messaging solutions also continue to gain momentum. To
date, the company has received more than 5 million subscriptions to
its **Netscape** In-Box Direct program, which delivers news and
information directly to the email boxes of **Netscape** mail users. In
addition, IDC's preliminary estimates indicate that **Netscape**
Navigator(TM) gained more business users in 1996 than any single
email client: 5.5 million worldwide.

To make it easy to create applications for the **Netscape** ONE
platform, **Netscape** announced **Netscape** Visual JavaScript, a graphical
programming tool that enables developers to build JavaScript
applications without writing code. **Netscape** and Sun Microsystems
also announced that they are combining their technologies to jointly
develop Java...

...comprehensive set of tools for
defining the look and feel of Java applications.

In March, **Netscape** joined with Novell to announce Novonyx, a new
company formed to adapt, integrate and sell the **Netscape** SuiteSpot
family of server software on the Novell IntranetWare networking
platform. Novell has the largest...
...more than four million servers running the Novell
network operating system.

The popularity of the **Netscape** Internet **site** continued to grow in
the first quarter, attracting more than 126 million hits per day.
 Netscape announced several significant business agreements related
to the **site** . **Netscape** and Yahoo! announced a high-profile Internet

information navigation service, called **Netscape** Guide by Yahoo!,
which will be accessible from the **Netscape** site . In addition,
Netscape teamed with key search providers to create an improved
Netscape Search page. ABC News also formed a relationship with
Netscape , enabling visitors to the **Netscape** site to have easy,
point-and-click access to regularly updated ABC news headlines
directly from the **Netscape** home page , and making **Netscape** the
preferred provider of client and server software for ABCNEWS.com.
In addition, ABC's Internet **site** will take advantage of the unique
features of **Netscape** Communicator.

Netscape Communications Corporation is a leading provider of open
software for linking people and information over...

...platform for next-generation, live on-line applications.
Traded on Nasdaq under the symbol "NSCP", **Netscape** Communications
Corporation in based in Mountain View, California.

Additional information on **Netscape** Communications Corporation is
available on the Internet at http://home.**netscape** .com, by sending
email to info@**netscape** .com or by calling 415-937-2555 (corporations)
or 415-937-3777 (individuals).

NOTE: **Netscape** is a trademark of **Netscape** Communications
Corporation, which is registered in the United States and other
jurisdictions. **Netscape** Communications, **Netscape** SuiteSpot,
Netscape Navigator, **Netscape** Communicator and the **Netscape**
Communications logo are trademarks of **Netscape** Communications
Corporation.

<div align="center">

NETSCAPE COMMUNICATIONS CORPORATION
CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS
(in thousands, except per share data)
(Unaudited)

</div>

	Three...04	$0.09
Shares used in computing net income per share	85,003	90,785

<div align="center">

NETSCAPE COMMUNICATIONS CORPORATION
CONDENSED CONSOLIDATED BALANCE SHEETS
(in thousands)

</div>

	December 31, 1996	March 31 1997
ASSETS...		
...Other	(17)	393
Total stockholders' equity	390,650	403,942
	$537,450	$570,821

SOURCE **Netscape** Communications Corp.
  -0-   04/23/97

/CONTACT: media, Jennifer O'Mahony, 415-937-3084, or
jom@**netscape** .com, or financial, Quincy Smith, 415-937-3757, or
quincy@**netscape** .com, both of **Netscape** /

    (NSCP)
CO: **Netscape** Communications Corp.
ST: California
IN: CPR MLM
SU: ERN

RB
-- SFW060 --
9467 04/23/97...

15/3,K/18   (Item 16 from file: 621)
DIALOG(R)File 621:IAC New Prod.Annou.(R)
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00764271   00764710

**Aurum Software and Beologic: Web-Based Sales Configurator Empowers
Unassisted Selling Over the Internet**

PR Newswire
DATELINE: SANTA CLARA, Calif., and COPENHAGEN, Denmark   April 17, 1997
WORD COUNT: 1136

...of platform for the configuration, PC or Web, you will only
have to maintain one **product   description** model, instead of several.
This makes our solution state-of-the-art in this area...

...or NC is the same as that in the Windows
environment. And, the maintenance of **product** and services
 descriptions in the salesPLUS Definer is independent of the platform
of the client user."

From a technical point of view, the new Internet version will be
based on Java-enabled Internet **browsers** (such as Microsoft Internet
 Explorer 3.0 or **Netscape** Navigator 3.0). The flexibility of Java is
fully exploited in the salesPLUS Web-based solution. Unlike the
common "application-in-a-**browser** " approach, the salesPLUS interface
integrates seamlessly with the **Web   page** . Niels Bo Theilgaard,
Beologic executive VP of engineering said, "In short, salesPLUS
takes full advantage...

...a product before purchase. Still this company has to
develop and maintain only one single **product   description** model."

"We see this as a major step in the world of sales configuration and...Auru
m Software at
800-683-8855.

NOTE: Aurum Software is a registered trademark. Aurum Customer
 Enterprise is a **trademark** . All other **company** and **product   names** ma
y
be trademarks of the respective companies with which they are
associated. All trademarks and...

15/3,K/19   (Item 17 from file: 621)
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00762654   ·   ·   00763093

**VLSI Technology reports $0.19 earnings per share up from $0.07 EPS a year
ago; First quarter revenues total $177.7 million.**

Business Wire
DATELINE: SAN JOSE, Calif.   April 17, 1997   WORD COUNT: 1180

...modems.

VMS230 GhostRider(TM) -- A data encryption/decryption chip
solution for PCI based computers, modems, **web   browsers** and set top
boxes.

In February, VLSI announced its intention to repurchase additional
shares of...

...FSB(TM) functional
system blocks(TM) library. Targeting its offerings toward the

communications, consumer digital **entertainment** and computing
markets , the **company** offers its customers advanced system-level
integration capabilities. The company is based in San Jose...

...with 1996 revenues of $717 million, and approximately
3,000 employees worldwide. Visit VLSI's **homepage** at
http://www.vlsi.com . -0-

VLSI TECHNOLOGY, INC.

Summary Consolidated Financial Statements
(Thousands except...blocks and System-Level
Silicon are trademarks of VLSI Technology, Inc. All other brand or
product **names** are trademarks and/or registered trademarks of their
respective owners.

CONTACT: VLSI Technology, Inc.
John...

15/3,K/20 **(Item 18 from file: 621)**
DIALOG(R)File 621:IAC New Prod.Annou.(R)
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00754692   00755130

**Datastream Announces Final Release of MP2 Enterprise With Visual Navigation
Link**

PR Newswire
DATELINE: GREENVILLE, S.C.   March 31, 1997   WORD COUNT: 621

...thin client, client/server computerized
maintenance management software (CMMS) application complete with a
visual navigation **link** called MP2 **Explorer** (TM).

MP2 **Explorer** helps eliminate the complexity of gathering and
locating mission-critical maintenance data on an enterprise level.
In creating this visual **link** for the manufacturing and facility
industries, Datastream teamed with DataSphere Technologies, Inc.,
the developer of...

...Computer
Aided Facilities Management (CAFM) software package. Using tools
such as a Navigator(TM), Knowledge **Browser** (TM), Query Wizard and a
set of Agents, users can graphically tour plant and facility
environments to identify critical maintenance areas or locate
specific pieces of equipment.

MP2 **Explorer** canthen access all maintenance-related information
stored in MP2 Enterprise, including work orders, preventive
maintenance...

...AutoCAD drawings, photographs, renderings, animations
and VRML/HTML documents can also be integrated within MP2 **Explorer**
providing the "whole picture" for maintenance and asset management.
MP2 **Explorer** was developed for Windows(R) 95 and NT(R) using OLE
automation technology.

"As a...

...to visual navigation capabilities, Version 5.0 operates
efficiently in a WAN environment, supporting multi-**site** inventory
management, global security and centralized purchasing. The **product**
also provides data to investigate equipment downtime and assist in
root cause failure analysis.
Datastream introduced MP2 **Explorer** at a joint press conference with
Microsoft during National Manufacturing Week in Chicago on Tuesday...

...number of units sold
   Datastream and MP2 are registered trademarks of Datastream Systems, Inc.
   MP2 **Enterprise** is a **trademark** of Datastream Systems, Inc.
   Resource Manager, Navigator and Knowledge **Browser** are trademarks of
    DataSphere Technologies, Inc.
   Microsoft, Windows, Windows NT and BackOffice are either registered...

...S ADVISORY: If you are interested in viewing additional
information on Datastream, please visit our **Web** **page** at
http://www.dstm.com. For a screen capture of MP2 **Explorer** , please
call contact below/

/CONTACT: Melissa·Morrell, Investor and Public Relations Manager,
Datastream Systems, Inc...

 15/3,K/21   **(Item 19 from file: 621)**
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00748968   00749406

**Lawson, 'The Web Enterprise Company,' Named #1 By IDC for 1996 Web
Enterprise Application Revenue**

PR Newswire
DATELINE: BOSTON   March 17, 1997   WORD COUNT: 897

...its web products, and in February 1996 became
the first among the leading client/server **enterprise** applications
 companies to **market** and install a commercially available
web-deployable, fully integrated suite of financials, human
resources, procurement...

...functionally, Lawson's
financial, human resources, procurement and supply chain management
applications through their favorite **web** **browser** .

Second, Lawson is shipping specialized self-service applications
that are completely integrated with the related...
...internal requests for maintenance, repair
and operating supplies..

Lawson includes an interactive demonstration on its **web** **site**
(http://www.lawson.com) for those interested in examining the
reality of Web-based solutions...

...San Francisco; Seattle; Toronto; and Washington,
D.C.; with affiliates in Europe and Africa. Additional **information**
about the **company** and its products and services is available on the
company's **Web** **site** , **URL** : http://www.lawson.com or by calling
800-477-1357.

Lawson is a registered **trademark** of Lawson Software. Other **company**
and **product** **names** are the **trademarks** of their respective companies.

SOURCE Lawson Software

  -0-   3/17/97

/CONTACT: Judith Rothrock, Vice...

 15/3,K/22   **(Item 20 from file: 621)**
DIALOG(R)File 621:IAC New Prod.Annou.(R)
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Beyond Software Expands Mainframe Internet Product Line

PR Newswire
DATELINE: SAN JOSE, Calif.   March 3, 1997   WORD COUNT: 951

...while providing access to important intranet applications
and the Internet.

Enterprise View is a text **browser** for the VM operating system that
provides 3270 terminal users with easy access to **Web   site**
information. EnterpriseWeb Calendar is a Web server add-on that
provides **Web   browser** access to the IBM OfficeVision/VM calendar
environment. And, EnterpriseWeb/MVS is a high performance...

...having access to intra/Internets, there is a
definite requirement to bring Web server and **browser** capability to
this huge population," according to Carl Greiner, Vice President and
Director of Enterprise...
...second
largest desktop in use after Windows 3.x.

As a native VM/CMS text **browser** , Enterprise View is centrally
installed and can be easily integrated with existing security and
application...

...3270 terminals don't
display graphics, Enterprise View allows 3270 users access to the
same **Web   page** text as PCs and other desktop **browser** users. 3270
users can easily access all **Web   page** text, including data displayed
in tables and forms.

"A VM text **Web   browser** allows us to give over 1000 users access to
the World Wide Web, who otherwise...

...an upgraded version of Beyond Software's
shareware product Aranea(TM). Enterprise View provides enhanced **URL**
handling to expedite access to **Web   sites** and optional PF key
settings to accommodate CUA and PROFs users.

Graphical **Web   Browser** Access to IBM's OfficeVision/VM
EnterpriseWeb Calendar updates the current OfficeVision calendar
character interface with a graphical **Web   browser** interface.
EnterpriseWeb Calendar allows customers to easily deploy an
enterprise wide corporate calendar solution for all users, even
those without VM user IDs. OfficeVision users can use their **Web
browsers** to easily view their calendars by day or month, find
available meeting times and schedule...

...EnterpriseWeb/VM,
Beyond's Web server for the VM operating system, and supports HTML
compliant **browsers** , such as **Netscape** Navigator and Microsoft
Internet **Explorer** .

Powerful Web Server for MVS

EnterpriseWeb/MVS is a World Wide Web server for the...

...the VM/CMS operating system.

NOTE: Beyond Software, Enterprise View, EnterpriseWeb/VM,
EnterpriseWeb/MVS and **EnterpriseWeb** Calendar are **trademarks** of
Beyond Software, Incorporated. IBM, VM, MVS, OS/390 and
OfficeVision are registered **trademarks** of IBM Corporation. All
other **company** and **product   names** are registered **trademarks** of their
respective owners.

SOURCE Beyond Software Inc.

   -0-   03/03/97
   /CONTACT: Ron Kohl...

 15/3,K/23   (Item 21 from file: 621)
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00738529   00738967

OneWave Extends PeopleSoft to Corporate Intranet for Cadence Design Systems

PR Newswire
DATELINE: WATERTOWN, Mass.   Feb 24, 1997   WORD COUNT: 624

...that extends its
existing PeopleSoft applications to a target audience of 500 people
worldwide via **Netscape   browsers** .

The OneWavesolution enables Cadence employees to securely access
PeopleSoft applications from PC and UNIX clients...

...Jose, Calif. and traded on the New York Stock
Exchange under the symbol CDN.   More **information** about the **company** ,
its products and services may be obtained from the World Wide Web at
http://www...

...to the Internet. For
additional information about OneWave, please access the company's
World Wide **Web   site** at http://www.onewave.com, send e-mail to
info@onewave.com, or call 617-923-6500.

NOTE: OneWave and OneWave **Enterprise** are **trademarks** of OneWave, Inc.
Other **company** and **product   names** may be trademarks of the respective
companies.

SOURCE OneWave, Inc.

   -0-   2/24/97

/CONTACT...

 15/3,K/24   (Item 22 from file: 621)
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00733013   00733451

Apertus Announces New Internet and Application Integration Focus.

Business Wire
DATELINE: EDEN PRAIRIE, Minn.   Feb 18, 1997   WORD COUNT: 683

...Enterprise/Access solution, Apertus has deepened its
commitment to Internet/intranet technologies like those of **Netscape**
Communications Corporation. "Apertus allows companies to build on
 Netscape technology based on the **Netscape** ONE platform and address
enterprise integration issues to provide rich resources and
solutions for the Internet and intranet," said Danny Shader, vice
president of industry and developer relations at **Netscape** .

About the Internet Program Enterprise/Connect is a comprehensive
communication server solution that provides access to mainframe
applications, including terminal emulation, print, and file
transfer, via standard **Web   browsers** . Enterprise/Connect combines

low cost, low administration client software with scaleable, high
performance server software...
...legacy
applications to these new server frameworks.

"Apertus has taken a holistic approach with their **Internet** Program
by **addressing** the key issues concerning mainframe IT managers today:
 Web browser interactive access, Web-to-SNA integration, and Web
extension of existing business applications," said Donald...

...Technologies, call 800-793-3509,
send e-mail to info@apertus.com, or visit Apertus' **Web**   site at
http://www.apertus.com.

Apertus is a registered **trademark** of Apertus Technologies
Incorporated. Enterprise/Connect, Enterprise/Access, and
 Enterprise /Integrator are **trademarks** of Apertus Technologies
incorporated. Other **names** , **products** , and services mentioned are the
 trademarks or registered **trademarks** of their respective vendors or
organizations.

Features and specifications subject to change. **Netscape** is a
 trademark of **Netscape** Communications Corporation which is registered
in the United States and other jurisdictions. The **Netscape**
Communications Corporation **logo** and **Netscape   product   names** are
 trademarks of **Netscape** Communications Corporation which may be
registered in some jurisdictions.

   CONTACT: Apertus Technologies Incorporated
            Press Relations...

 15/3,K/25   (Item 23 from file: 621)
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00733010   00733448

**Apertus   Launches   Internet-to-Mainframe   Connectivity   Suite;
 Enterprise/Connect Provides Java-based Access to IBM Host Services Via
 Web.**

Business Wire
DATELINE: EDEN PRAIRIE, Minn.   Feb 18, 1997   WORD COUNT: 527

...server solution that provides Internet
access to mainframe and AS/400 services from a standard **Web   browser** .
Displayed and managed within an intuitive **browser** -based graphical
interface, Enterprise/Connect delivers terminal emulation, print,
and file transfer capabilities to Internet...

...companies, providing
reliable, low cost access for thousands of clients to IBM host
resources."

Any **Web   browser** can use Enterprise/Connect to access mainframe
terminal, file transfer, and print services, providing a...
...Java-based software provides
familiar native "green screen" functionality as well as an intuitive
graphical **browser** -based administration. Enterprise/Connect runs on
industry-standard server hardware, including AIX, Solaris, and
UnixWare...

...and authentication.
Apertus will also add the capability to send mainframe print jobs
to a **browser** -attached printer.

About Apertus Apertus Technologies Incorporated, with annual sales

in excess of $40 million...

...Prairie, Minnesota, Apertus has sales and service offices
throughout North America and Europe.

For more **product   information** , call 800-793-3509, send e-mail to
info@apertus.com, or visit Apertus' **Web   site** at
http://www.apertus.com.

Apertus is a registered trademark of Apertus Technologies
Incorporated. Enterprise/Connect, Enterprise/Access, and
 Enterprise /Integrator are **trademarks** of Apertus Technologies
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00732351   00732789

**Verity Announces the Creation of Two Product Groups and Management Changes;
 Hires VP for Customer Services Group and Creates Desktop and Server
 Product Groups.**

Business Wire
DATELINE: SUNNYVALE, Calif.   Feb 14, 1997   WORD COUNT: 1136

...Principal Architect at
Hewlett-Packard's System Technology Group, working on object and
object relational **database   products** .

Jurgen started his career at Hewlett-Packard Laboratories, where he
worked as a researcher and...

...Adobe Systems, AT&T WorldNet, Dow Jones, Hitachi,
Individual Inc., Informix Software, Lotus Development Corp.,
 Netscape Communications, PC DOCS, SAP, SCO, Sybase Inc., ...Commission.

For more information contact Verity at info@verity.com or at the
World Wide **Web   site** http://www.verity.com/ or by calling
408/541-1500.

-0- Note to Editors: Verity and **SEARCH** '97 are **Trademarks** of Verity
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00725328   00725764

**InReference Selects Verity's SEARCH`97 Platform for New Online Internet
 Forum Service.**

Business Wire
DATELINE: SUNNYVALE, Calif.   Feb 3, 1997   WORD COUNT: 778

...available now.

InReference is a new company with advanced expertise in databases,
email, hypermedia and **information** retrieval. The **company**   recently
launched Reference.COM to empower digital communities by enhancing
access to a wealth of...

...Exchange. Verity is
expanding the product line to include its SEARCH`97 Personal
products for **Netscape** Navigator and Microsoft **Explorer** , which are
scheduled for availability in February 1997, as well as a number of
intelligent...
...focused on developing a new
generation of customer-driven marketing solutions for the Internet
that **link** customers, businesses and organizations with similar
interests. These new technologies will provide the Internet
community...

...94089
by calling (408) 541-7600, by fax at (408) 541-7637 or through its
web **site** at http://www.inreference.com

About Verity

Verity Inc. was founded in April 1988 and...

...Adobe Systems, AT&T WorldNet, Dow Jones, Hitachi,
Individual Inc., Informix Software, Lotus Development Corp.,
Netscape Communications, PC DOCS, SAP, SCO, Sybase Inc., WavePhore
and many others.

This release contains forward...

...EDITORS: For more information contact Verity at
info@verity.com or at the World Wide **Web** **site** http://www.verity.com/
or by calling 408-541-1500. Verity and **SEARCH** `97 are **Trademarks** of
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00724436   00724872

**Frontier Software's WebCast delivers industry's first Web access to
 end-to-end network traffic reports, troubleshooting.**

Business Wire
DATELINE: CHELMSFORD, Mass.   Jan 20, 1997   WORD COUNT: 1337

...With WebCast software providing
access to Frontier NETscout(R) Manager's reporting capabilities
through common **Web** **browsers** , network managers can see end-to-end
network reports through all seven layers of traffic...

...detail than any competing product can offer.

WebCast automatically converts NETscout Manager traffic reports
into **Web** **pages** that can be read quickly and easily by authorized
users throughout a distributed computing network...

...WebCast to configure probes and agents on a
network or edit agent configurations through a **Web** **browser** .
For example, managers can use WebCast to view utilization reports
and host lists for IP...

...a handful of products let managers view network
traffic reports, traps and alarms through a **Web** **browser** . None,
however, could show the network end to end or offer
application-level reporting. Also...

...and a service call comes in on my pager, I can go out on

any **Web** **browser** at any computer and look at the traffic reports to
find out what's going...

...unlimited numbers of users and requires no
additional training because it works through universally familiar
Web **browsers** . WebCast's advanced reporting and management
capabilities come at about three percent of a dedicated...

...from constantly
running reports for non-technical co-workers. Most network users are
familiar with **Web** **browsers** , and WebCast's graphical reporting
presents information in an easy-to-understand manner.
WebCast's...This is especially important for newer network
topologies such as switched LANs and Frame Relay **links** , where
reporting for switch ports and WAN DLCs requires support of an
unprecedented number of...

...build manageable, scaleable networks with extensive
instrumentation. With WebCast, any data aggregated at these remote
sites can be accessed through a **Web** **browser** .

Pricing and availability

WebCast, an optional component of Frontier's NETscout Manager
management console, and...

...monitoring for distributed enterprise networks.

Frontier Software is headquartered in Chelmsford, Mass. Company
news and **product** /service **information** are available on Frontier's **Web**
site : http://www.frontier.com.

-0- NETscout is a registered trademark and WebCast and
EnterpriseRMON are **trademarks** of Frontier Software Development, Inc.
All other trademarks, service marks, registered trademarks or
registered service...

 15/3,K/29 **(Item 27 from file: 621)**
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00724314   00724750

VLSI VMS230 GhostRider Security Chip Sets New Standards for PC-based Data
 Encryption/Decryption; Single Chip Solution Tackles Wide Range of New
 Media Data Security Applications, Important Pillar of Microsoft
 Interactive PC/TV Initiative.

Business Wire
DATELINE: SAN FRANCISCO   Jan 28, 1997   WORD COUNT: 1039

...WIRE)--Jan. 28, 1997--VLSI Technology,
Inc. (NASDAQ: VLSI) will make PCI based computers, modems, **web**
 browsers and set-top-boxes safer for intellectual property
distribution and electronic commerce through the hardware...

...of
intellectual property," commented Umesh Padval, senior vice
president and general manager of VLSI computing **products** . "The
GhostRider **data** security processor converts the PC into a very
attractive platform for electronic commerce and content...
...and became a fully independent company -- separate
from AT&T -- on Sept. 30, 1996. Further **information** about the
 company is available at http://www.lucent.com .

About VLSI Technology, Inc.

VLSI Technology, Inc. designs...

...FSB(TM) functional
system blocks(TM) library. Targeting its offerings toward the
communications, consumer digital **entertainment** and computing
 markets , the **company** offers its customers advanced system-level
integration capabilities. The company is based in ...with 1996 revenues of
 $717 million, and approximately 3,000
employees worldwide. Visit VLSI's **homepage** at http://www.vlsi.com .
-0-

Note to Editors: FSB, functional system blocks, GhostRider, vROM
and System-Level Silicon are trademarks of VLSI Technology, Inc.
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   CONTACT: VLSI Technology
            Martin Chorich...

 15/3,K/30   **(Item 28 from file: 621)**
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00706543   00706543

Information Dimensions 'BASIS V8' Turbo Charges Document Management Engine

PR Newswire
DATELINE: PARIS, LONDON, NEW YORK, and FRANKFURT   Dec 10, 1996
WORD COUNT: 1673

...ultra-fast
performance. Other document management systems bog down their
applications by joining different vendors' **databases** and retrieval
 products , requiring duplicate queries to go separately to each
vendor's software. This duplication means the...Dimensions is the world's
number-two document management
software provider(A), with 2,600 **sites** installed worldwide. For
more than ten years, its BASIS family of products has delivered
large...

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Windows NT are either registered trademarks or trademarks of
Microsoft Corp...

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00703086   00703086

SELECT Software Tools announces SELECT Component Manager to support
 Microsoft's Component Information Model.

Business Wire
DATELINE: SANTA ANA, Calif.   Nov 27, 1996   WORD COUNT: 712

...SELECT Component Manager enables components held in a
repository, either locally or at a remote **Web**   **site** to be stored,
browsed and registered for re-use. It extends the functionality of a...

...leverage line-of-business
expertise as well as emerging classes of business objects, ActiveX

controls, **Netscape** plug-ins and Java applets by 1999/2000."

Stuart Frost, founder and chief executive officer...

...229700
or, via the World Wide Web at http://www.selectst.com -0-
NOTE: SELECT **Enterprise** is a **trademark** of SELECT Software Tools.
All other brand or **product** **names** are trademarks or registered
trademarks of their respective companies.

   CONTACT: SELECT Software Tools Inc., Santa...

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00702971   00702971

SELECT Software Tools Announces SELECT Component Manager(TM) to Support
Microsoft's Component Information Model

PR Newswire
DATELINE: SANTA ANA, Calif.   Nov 27, 1996   WORD COUNT: 785

...SELECT Component Manager enables components held in a
repository, either locally or at a remote **web** **site** to be stored,
browsed and registered for re-use. It extends the functionality of
a...

...leverage line-of-business
expertise as well as emerging classes of business objects, ActiveX
controls, **Netscape** plug-ins and Java applets by 1999/2000."

Stuart Frost, Founder and CEO of SELECT...

...1242 229700, or
via the World Wide Web at http://www.selectst.com.
NOTE: SELECT **Enterprise** is a **trademark** of SELECT Software Tools.
All other brand or **product** **names** are trademarks or registered
trademarks of their respective companies.

For more information on SELECT Software...

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00699395   00699395

Visio Unleashes Power of Visio Technical in New Version

PR Newswire
DATELINE: LAS VEGAS   Nov 18, 1996   WORD COUNT: 1413

...and the Internet and corporate intranets
as simple as possible. The Hyperlinking Wizard automatically
creates **links** from a Visio Technical drawing to a **URL** address, as
well as to another page or document. In addition, the Save as HTML...

...Microsoft's
new ActiveX(TM) technology, Visio Technical drawings can be embedded
within Microsoft Internet **Explorer** as fully editable objects, rather
than bitmap graphics. This permits any Visio Technical user viewing...

...the
drawing.

Enhanced Database Integration
Originally introduced in Visio Technical 4.1 so users could **link** to
existing data without programming, the Database Connectivity Wizard
now offers support for more databases...

...to generate a stencil of shapes representing all records in
a database table, and to **link** to more ShapeSheet(TM) cells, where
the properties of each SmartShapes(R) symbol are defined. Also,
users can now **link** shapes to queries and therefore can establish
 links to multiple **database** tables.

Productivity Enhancements

Visio Technical 4.5 supports automatic layout and intelligent line
routing for diagrams such...ext. 93W. Additional
details about Visio can also be obtained on CompuServe or Visio's
 Web **page** at http://www.visio.com/.

Visio Technical 4.5 Debuts at COMDEX

Visio Technical 4...

...additional Windows-based products for
the creation, storage and exchange of drawings and diagrams
throughout **enterprises** . The **company** **markets** the Visio product line
in more than 26 countries throughout North America, South America,
Europe and Asia.

NOTE: Visio and SmartShapes are registered **trademarks** and
ShapeSheet and Visio Express are **trademarks** of Visio Corp.
Microsoft, Visual Basic, Windows NT, IntelliMouse, ActiveX and
Windows are either registered **trademarks** or **trademarks** of Microsoft
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SOURCE Visio Corp.

  -0-   11/18/96

/CONTACT: Melissa...

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00699140   00699140

**Baylor Health Care System Chooses Action Technologies and Netscape for
  Intranet-Based Healthcare Applications; Action Metro, Netscape Navigator
  and Netscape Commerce Server Software Coordinate Work Via the Web, Cut
  Cycle Times and Pharmaceutical Costs for Eight-Hospital System.**

Business Wire
DATELINE: ALAMEDA, Calif.   Nov 20, 1996   WORD COUNT: 1428

ALAMEDA, Calif.--(BUSINESS WIRE)--Nov. 20, 1996--Action
Technologies Inc., and **Netscape** Communications Corp. (NASDAQ:NSCP)
today announced that Baylor Health Care System (BHCS) of Dallas has...

...an Intranet-based coordination application for internal
contract review created with Action Technologies' Action Metro,
 Netscape Navigator client software and **Netscape** Commerce Server
software.

The Metro application enables BHCS' eight hospitals to radically
accelerate its review...

...Pickton. "The business requirements had
to be at the design center. Action Technologies' Metro and **Netscape**
products satisfied this objective."

Metro Applications Developed Within Weeks

Metro is a Web-based environment...

...initial investment within a few months.

"Baylor Health Care System's selection of Metro and **Netscape**   client
and server software provides another example of how organizations
are harnessing the collaborative power...

...Web for
cost-effective business applications," said Mike Homer, senior vice
president of marketing at **Netscape** . "We see Action Technologies as
a valuable partner in delivering business-ready Intranet solutions
to...

...Metro makes possible the
delivery of this new breed of applications."
"With Metro applications and **Netscape**   client and server software
based on the open standards of the Internet, organizations can
expect...Joel Allison is
the chief operating officer and deputy chief executive officer of
BHCS.

About **Netscape**

 Netscape   Communications Corp. is a premier provider of open
software for linking people and information over...

...complete platform for next-generation, live online applications.
Traded on NASDAQ under the symbol "NSCP," **Netscape**   Communications
Corp. is based in Mountain View, Calif.

Additional information on **Netscape**   Communications Corp. is
available on the Internet at http://home.**netscape** .com, by sending
email to info@**netscape** .com or by calling 415/937-2555 (corporate
customers) or 415/937-3777 (individuals).

About...
...sales force as well as through systems integrators,
VARs and distributors in 25 countries. Additional **information** and
 product demonstrations are available on Action Technologies' **web
 site** at http://www.actiontech.com. -0-

Note to Editors: (C) 1996 Action Technologies Inc., Action...

...are registered trademarks of Action Technologies Inc. Metro
is a trademark of Action Technologies Inc. **Netscape** , **Netscape**
Navigator and **Netscape**   **Enterprise** Server are **trademarks** of **Netscape**
Communications Corp. All other **company** and **product**   names may be
trademarks of their respective holders.

Graphics available at http://www.actiontech.com/market...

...htm

   CONTACT: Action Technologies Inc.
              Sumi Shohara, 510/748-1045
              sumi shohara@actiontech.com
                      or
              Netscape Communications Corp.
              Jody Kramer, 415/937-3989
              kramer@**netscape** .com
                      or

Integrated Healthcare Solutions
Patty McKinney, 770/423-8419
patty.mckinney.@hie.com
                    or...

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00696193   00696193

**BASIS Web Document Management Gives United Nations Agency New Weapon In War
 Against Hunger**

PR Newswire
DATELINE: DUBLIN, Ohio and ROME, ITALY   Nov 13, 1996   WORD COUNT: 1026

...Food and Agricultural Organization World
 Food Summit with Web System for Instant Access to Agricultural **Productio**
 n
                    Information and News from Daily Summit

DUBLIN, Ohio and ROME, ITALY, Nov. 13 /PRNewswire/ -- Information
Dimensions...

...It enables FAO staff to search for and retrieve
information across multiple platforms using common **Web   browsers** .

The FAO's repository will include 150,000 library records,
photography, video, audio, movie clips...
...projects listed in this valuable
database.

At the summit in Rome, a firewall-secured Internet **link** will give
participants access to the FAO Intranet, where they can find the
latest research...

...a
public commitment to ending world hunger and planning a world food
security strategy. The **site** will be available during and after the
summit.

ID Technology, Information Dimensions' Milan, Italy-based...

...Information Dimensions' technology since 1994. ID
Technology is responsible for commercial and technical support for
 Information Dimensions' **products** . Its extensive document management
experience has been realized in integration projects for large
government organizations...

...in the world, as well as Banca d'Italia, Telecom
Italia and ENI (National Petroleum **Company**).
About **Information** Dimensions

From Fortune 500 companies to the federal government, organizations
are capitalizing on the power...

...Dimensions is the world's #2 document management software
provider(1), with over 2,600 **sites** installed worldwide. For more
than ten years, its BASIS family of products has delivered
large...

...such as 3M, Boeing, Shell, SAAB, the
Pentagon and NASA. As a prominent partner of **Netscape** , Information
Dimensions also delivered the industry's first rapid- deployment
document management solution for the...

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Communications and **Netscape Enterprise** Server are **trademarks** of
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SOURCE Information...

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00694191   00694191

3Com Using Netscape Technology to Forge Global Information System

PR Newswire
DATELINE: MOUNTAIN VIEW, Calif.   Nov 8, 1996   WORD COUNT: 852

...of 'Anywhere, Anytime'
               Information Access for Employees and Customers

MOUNTAIN VIEW, Calif., Nov. 8 /PRNewswire/ -- **Netscape**
Communication Corporation (Nasdaq: NSCP) today announced that 3Com
Corporation (Nasdaq: COMS), a leading global networking company, is
using **Netscape** client and server software as the enabling technology
for its corporate Intranet and Internet **sites** . A **Netscape** customer
since 1995, 3Com now has several **Web** sites around the world based on
 Netscape server software, and uses **Netscape** Navigator(TM) as its
internal client software. 3Com has licensed 5,700 copies of
 Netscape Navigator.

A $2.5 billion global company, 3Com must manage an extraordinary
flow of information...

...on a daily
basis across a variety of technical platforms. 3Com's Intranet and
Internet **sites** are fundamental to the company's drive to increase
information access while decreasing the overall complexity of its
technical environment. Using **Netscape** software solutions, 3Com's
Intranet and Internet **sites** facilitate the company's exchange of
information by providing access through a common interface.

3Com's Intranet based on **Netscape** Enterprise Server(TM) software, is
already used by half of 3Com's nearly 6,000 employees. Employees
will access 3Com's intranet to find benefits, **company** and stock
 information , order equipment and file expense reports. The
cross-platform capabilities of 3Com's Intranet helps...

...video
and audio clip format.

As a business management tool, 3Com plans to use its **Netscape**
software-based Intranet to access legacy as well as new **data** in the
 company 's **data** warehouse. Called 3Info, this mainstream decision
support application gives detailed and summarized **information**
regarding sales, **products** and vendors on a daily basis, using
information culled from the company's transaction applications...

...will also be
accessible through 3Com's Intranet.

"3Com has 6,000 employees, seven manufacturing **sites** , 72 sales
offices in 31 countries and 12,000 nodes in our network," said Tom...

...to-the-minute
information. Our challenge is to reduce and manage time and

distance. Using **Netscape** software, we are able to increase our efficiency and speed up decision making to help...

...form that enables us to make the appropriate business decisions is critical to our success. **Netscape** products are helping us reduce the complexity of pulling that information together from around the world through our Internet and Intranet **sites** ."

3Com recently installed a common set of transactions processing systems, including SAP order management and...
...marketing, customer service organization, manufacturing, engineering, product development, electronic commerce, internal information and systems development.

"Netscape products are helping 3Com build a technical framework to support a business growing at substantial rates," said Mike Homer, senior vice president of marketing at **Netscape** . "3Com wants to take advantage of its global diversity to leverage the skills and increase...

...variety of platforms. Because of its ability to integrate with databases and internal information systems. **Netscape** software cost-effectively provides immediate and long-term Intranet solutions to meet these goals."

3Com...

...sales and support simplify communication, optimize network reliability and protect customer investments.

Additional information on **Netscape** Communications Corporation is available on the Internet at http://home.**netscape** .com, by sending email to info@**netscape** .com, or by calling 415-937-2555 (corporations) or 415-937-3777 (individuals).

NOTE: **Netscape** , the **Netscape** Communication corporation logo, **Netscape** Navigator and **Netscape** **Enterprise** Server are **trademarks** of **Netscape** Communications Corporation. All other **product** **names** are trademarks of their respective companies.

SOURCE **Netscape** Communications Corp.

  -0-   11/08/96
  /CONTACT: Jody Kramer of **Netscape** , 415-937-3989, or kramer@**netscape**
.com/
  (NSCP COMS)

CO: **Netscape** Communications Corp.; 3Com Corporation
ST: California
IN: MLM
SU:

KW-CL
-- SFF006 --
1875 11/08...

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00688516   00688516

LinkStar and Verity Team Up to Boost the Power of HotOffice Online Business Management Service

PR Newswire
DATELINE: BOCA RATON, Fla.   Oct 29, 1996 WORD COUNT: 592

...Verity

Verity, Inc., founded in April 1988 with headquarters in Sunnyvale,
California, develops and markets **information** agent **products** and
technologies that make it easier for individuals, workgroups,
departments and enterprises to filter, search...

...and
navigate all available information sources to get the personalized,
relevant information they need. The **company** 's **information** kernel,
toolkits and services are used by information agent partners to
develop a broad range...
...include Adobe Systems, AT&T, Dow Jones, Hitachi, Individual Inc.,
Informix Software, Lotus Development Corp., **Netscape** Communications,
PC DOCS, SAP, SCO, Sybase Inc., WavePhore and many others.

For more information contact Verity at info@verity.com or at the
World Wide **Web** site http://www.verity.com/ or by calling
408-541-1500.

NOTE: Verity and **SEARCH** '97 are **Trademarks** of Verity Inc. in the
United States and other countries. All other trademarks are the...

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00688515   00688515

**FrontOffice Selects Verity for Microsoft Exchange-based Document Management
System**

PR Newswire
DATELINE: MOUNTAIN VIEW, Calif.   Oct 29, 1996   WORD COUNT: 580

...of Microsoft Office and BackOffice technology. Natively
implemented on Microsoft Exchange, FrontOffice utilizes the powerful
 site architecture and groupware foundation built into Exchange to
provide a Knowledge Warehouse of the FrontOffice...

...San
Mateo, California, develops enterprise document management software.
For more information, visit the FrontOffice Technologies **home** **page**
at http://www.frontofficetech.com.

About Verity

Verity, Inc., founded in April 1988 with headquarters in Sunnyvale,
California, develops and markets **information** agent **products** and
technologies that make it easier for individuals, workgroups,
departments and enterprises to filter, search...

...and
navigate all available information sources to get the personalized,
relevant information they need. The **company** 's **information** kernel,
toolkits and services are used by information agent partners to
develop a broad range...

...include Adobe Systems, AT&T, Dow Jones, Hitachi, Individual Inc.,
Informix Software, Lotus Development Corp., **Netscape** Communications,
PC DOCS, SAP, SCO, Sybase Inc., WavePhore and many others.

For more information contact Verity at info@verity.com or at the
World Wide **Web** site http://www.verity.com/ or by calling
408-541-1500.

15/3,K/39   **(Item 37 from file: 621)**
DIALOG(R)File 621:IAC New Prod.Annou.(R)

00683741   00683741

Informix Web-Enables its Flagship Databases with Netscape's Market-Leading Internet and Intranet Software; Informix Offers Customers a High-Performance, Scalable Database Solution to Connect Distributed Enterprises via the Web.

Business Wire
DATELINE: NEW YORK   Oct 15, 1996   WORD COUNT: 1052

...technology, today expanded its Web-enabled database solution to the entire family of INFORMIX-OnLine **database   products** , using **Netscape** Communications Corp.'s market-leading Internet and intranet software.

The announcement was made at the **Netscape** Internet Developer Conference in New York City. The combination of Informix's OnLine databases with **Netscape** Enterprise Server software and **Netscape** Navigator client software offers customers a high-performance, scalable database solution that connects distributed enterprises...
...databases between data centers and remote sources for access via a single, easy-to-use **browser** interface.

Informix's Web-enabled database solution is immediately available for the company's flagship...

...in June 1996, INFORMIX-OnLine Workgroup Server and INFORMIX-OnLine Workstation are tightly integrated with **Netscape** Navigator 3.0 and **Netscape** FastTrack so extends its Web-enabled database solution to OnLine Dynamic Server and OnLine Extended Parallel Server by offering customers an option to purchase **Netscape** Navigator 3.0 and **Netscape** Enterprise Server with these Informix databases.

"Companies are looking for ways to increase productivity, lower...

...scalable Informix enterprise, from the laptop to the data center, by distributing and consolidating a **company** 's **information** assets cost-effectively with Internet and intranet applications."

"**Netscape** and Informix share a common vision to provide customers an open client/server platform on...

...s leading Internet and intranet applications," said Mike Homer, senior vice president of marketing at **Netscape** . "The combination of **Netscape** Enterprise Server, **Netscape** Navigator and **Netscape** FastTrack Server with Informix databases delivers proven database-driven Internet/intranet solutions to our customers...

...metropolitan areas by year's end. Using Informix's OnLine Workgroup Server, with its bundled **Netscape** Internet software, U S WEST Interactive will develop information service **sites** using **Netscape** 's SuiteSpot tool set. DiveIn will give area residents entertaining, efficient ways to find community...

...preferences and interests."

Availability

Informix's Web-enabled solution is immediately available for the
OnLine **database   product** family: INFORMIX-OnLine Workstation,
INFORMIX-OnLine Workgroup Server, INFORMIX-OnLine Dynamic Server and
INFORMIX-Extended Parallel Server.

Both INFORMIX-OnLine Workstation and INFORMIX-OnLine Workgroup
Server are tightly integrated with **Netscape** 's Navigator 3.0 and
FastTrack Server, and come as a single, easy-to-install...

...for high-end transaction processing and large-scale data
warehousing, have separately priced options for **Netscape** Navigator
3.0 and **Netscape** Enterprise Server. OnLine Dynamic Server is
available on NT and UNIX; OnLine Extended Parallel Server...or registered
service marks mentioned in this document are the property of their
respective holders.

Netscape , **Netscape** Communications, **Netscape** Navigator, **Netscape**
FastTrack Server and **Netscape   Enterprise** Server are **trademarks** of
Netscape Communications.

Informix news releases are available at no charge through Business
Wire's NewsOnDemand fax...

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00683060   00683060

**Information   Dimensions   Brings Web-based Document Management to Netscape's
AppFoundry Portfolio**

PR Newswire
DATELINE: DUBLIN, Ohio   Oct 16, 1996   WORD COUNT: 791

Intranet Developers to Benefit from Free Demonstrations of **Company** 's
Corporate

         Information Centre and Expert Document Management Advice

DUBLIN, Ohio, Oct. 16 /PRNewswire/ -- Information Dimensions, Inc.,
a leading document management solutions provider, today announced
its Corporate Information Centre (CIC) as part of **Netscape** 's
AppFoundry, a collection of reusable Web-based business applications
and an online community for...

...prototyping tool that lets
companies quickly build robust document management applications
using highly customizable, graphical **Web** -**page** interfaces and
underlying document templates. Information Dimensions will also
moderate a newsgroup offering free expertise on managing massive
collections of documents over Intranets and maximizing the
capabilities of the **Netscape** Enterprise Server's software.

The Corporate Information Centre and the **Netscape** Enterprise Server
are major components of Information Dimensions' BASIS Intranet
Solution, the industry's fastest...

...can
integrate enterprise-wide document management applications with Web
technology to develop industrial strength internal **Web   sites** -- or
Intranets -- in days instead of months.

Developers will find hotlinks to Information Dimensions'
demonstrations at the AppFoundry section of the **Netscape**
Communications Corporation **home   page** , the most visited **site** on the

World Wide Web.

"Information Dimensions' BASIS Intranet Solution is a great example
of how corporate developers can use **Netscape** AppFoundry to deploy
document management applications over the Web," said Danny Shader,
vice president of developer relations at **Netscape** . "Information
Dimensions provides IS professionals with innovative design and
development expertise."

In addition to demos and forums, the **Netscape** AppFoundry **site** also
offers developers free business applications and development tools
for boosting the power of Intranets. The **Netscape** AppFoundry
program is designed to make it easy for enterprise developers to use
Java, JavaScript and other technologies in the **Netscape** ONE, open
network environment, to create and rapidly deploy cross-platform
business applications on their...

...museums, and international
news agencies are telling their stories to the world.

"Information Dimensions and **Netscape** are cooperating to manage some
of the most massive document collections in the world over...

...and
others realize the growing need to manage their documents,
decision-makers and developers can **link** themselves with a powerful
resource simply by clicking the **Netscape** icon on their desktop."

Information Dimensions' document management forum will be among
dozens of forums...

...Dimensions is the world's #2 document management
software provider(A), with over 2,200 **sites** installed worldwide.
Its BASIS family of products has delivered very large-scale document
management solutions...

...Saab, the Pentagon and NASA for more than
ten years. As a prominent partner of **Netscape** , Information
Dimensions also delivered the industry's first rapid- deployment
document management solution for the...

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affiliates in the USA and certain other countries. **Netscape** ,
 Netscape Communications, **Netscape** ONE and **Netscape** **Enterprise** Serve
r
are **trademarks** of **Netscape** Communications Corporation. All other
trademarks and tradenames are owned by their respective companies.
SOURCE Information...

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00681035   00681035

ATTENTION BUSINESS/FINANCIAL EDITORS:

PR Newswire
DATELINE: xxxxxxxxxxxxxxxxx   Oct 15, 1996   WORD COUNT: 801

...Fulcrum(R) SearchServer(TM) and Fulcrum
Surfboard(R) to deliver advanced searching capabilities in the
 company 's research **databases** .

The Investext Group's products are currently available to customers
on a pay-as-you...

...versions of its products, and broadening the
range of available client access points to include **Web   browsers** ,
Microsoft Windows clients and Lotus Notes. SearchServer and
Surfboard will be used to deliver added...

...products will deliver real added value to the users of
these products.''
The Investext(R) **database** is the **company** 's flagship research
database. It includes nearly a million research reports on tens of
thousands...

...offices around the world. For more information on
The Investext Group, visit the company's **Web   site** :
http://www.investext.com.

Fulcrum Technologies is a world leader in providing information
search-and-retrieval software for the extended enterprise. This
software can be used on Internet and Intranet **sites** , on computer
networks, and on CD-ROMs. Fulcrum counts major corporations and
industry leaders like...

...Stock Exchange (``FUL'''). For more
information on Fulcrum and Fulcrum products, visit the company's **Web
 site** : http://www.fulcrum.com.

Fulcrum and Surfboard are registered trademarks of Fulcrum
Technologies Inc. and **SearchServer** is a **trademark** of Fulcrum.
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00675403   00675403

Financial Times Information Signs Global Strategic Partnership With Verity

PR Newswire
DATELINE: SUNNYVALE, Calif.   Oct 2, 1996   WORD COUNT: 837

SUNNYVALE, Calif., Oct. 2 /PRNewswire/ -- Financial Times
Information (FTI), the business and specialist financial **information
 company** within the Pearson media group, has signed a global
strategic licensing agreement with Verity, Inc...

...VRTY) for
the co-development of a new generation of online and CD-ROM based
 information   products .

The new products, to be based on Verity's advanced search technology
'SEARCH'97' will...

...more information contact FT Profile by email at
ftprofile@ft.com, on the World Wide **Web   site** at
http://www.info.ft.com/, or by calling 0171 825 7905.

About Verity

Verity...

...partners include Adobe Systems, AT&T Worldnet,
Dow Jones, Hitachi, Individual, Informix Software, Lotus
Development, **Netscape** Communications, SAP, SCO, Sybase, WavePhore
and many others.

This release contains forward looking statements relating...

...Commission.

For more information contact Verity at info@verity.com or at the
World Wide **Web** site http://www.verity.com/ or by calling
408-541-1500.

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00675363   00675363

**Bell Sygma to install 13,000-seat Livelink Intranet for Bell Canada
 customer support by year end.**

Business Wire
DATELINE: TORONTO, Ont.   Oct 2, 1996   WORD COUNT: 646

...ensuring their satisfaction in a rapidly-accelerating competitive
environment.

"We have thousands of documents, including **product** **descriptions** ,
prices, technical specifications, marketing information and detailed
operating instructions, which are often updated and cross...

...emergence of Livelink Intranet, an intranet-based solution.
CSRs access the documents using a standard **web** **browser** , such as
 Netscape 's Navigator, running on their personal computers. Further
of note, to implement a solution of...

...unique function of HTML document `check in' and `check out', which
preserves all the hyper-**links** to embedded graphics and other
objects," said Tom Jenkins, President, Open Text Corporation. "The
versatility...

...its data centers in Toronto, Montreal
and Ottawa, which in turn will be accessed by **Netscape** **browsers** on
CSR workstations across Ontario and Quebec. It is Bell Sygma's
intention to provide...

...for the quarter ended June 30, 1996. -0-

Note to Editors: Open Text and Livelink **Search** are **trademarks** of
Open Text Corporation. All other **trademarks** are the property of
their respective companies.

    CONTACT: David Paolini
            PR Director, Open Text Corporation
            416/596-0296 ex. 14
            URL : http://www.opentext.com
            Email: davep@opentext.com

 ...

 15/3,K/44   **(Item 42 from file: 621)**
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00674569   00674569

**The Software Construction Company (SCC) Selects Verity's Search Engine for
 MediaServer**

PR Newswire
DATELINE: ATLANTA, Ga.   Oct 1, 1996   WORD COUNT: 652

...integration into
SCC's MediaGrid/MediaServer product, the company's soon to be
released multimedia **production**   **database** and archiving system.

MediaGrid, the client, will be available in both Macintosh and
Windows NT/95 versions. It will be the only folder and database
archive **browser** integrated into one single application, making it
possible to work with files and database at...

...searches.

"We are pleased that SCC has chosen Verity's search engine for their
new **database**   **product** ," said Philippe Courtot, Chairman and CEO of
Verity. "With this decision, SCC strengthens their product...

...Adobe Systems, AT&T WorldNet, Dow Jones, Hitachi,
Individual Inc., Informix Software, Lotus Development Corp.,
 Netscape Communications, PC DOCS, SAP, SCO, Sybase Inc., WavePhore
and many others.

For more information contact Verity at info@verity.com or at the
World Wide **Web**   **site** http://www.verity.com/ or by calling
408-541-1500.

NOTE: Verity and **SEARCH** '97 are **Trademarks** of Verity Inc. in the
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00669572   00669572

**VLSI Technology and ViewCall America Sign Strategic Marketing Partnership;
 Companies To Work Together To Promote Internet TV.**

Business Wire
DATELINE: ATLANTA   Sep 19, 1996   WORD COUNT: 512

...VLSI's ARM 7500 processor. Additionally, ViewCall
America developed a consumer-centric On-TV Internet **browser** which
enabled the creation and development of its On-TV Internet service.

VLSI will demonstrate the reference design Internet set-top box,
WEBster -- the TV **browser** , and ViewCall America's On-TV Internet
service at the Networld + Interop trade show in...

...on its FSB functional system blocks library.
Targeting its offerings toward the communications, consumer digital
 entertainment , and computing **markets** , the **company** offers its
customers advanced system-level integration capabilities. The
company is based in San Jose...
...with 1995 revenues of $720
million, and approximately 3,000 employees worldwide. Visit VLSI's
 homepage at http://www.vlsi.com.

About ViewCall America

  ViewCall America is the premier On-TV...

...On-TV and TV-HTML
are trademarks of ViewCall America, Inc. All other brand or **product**
 names are trademarks and/or registered trademarks of their

respective owners.

     CONTACT: VLSI Technology, Inc.
              Martin...

 15/3,K/46   (Item 44 from file: 621)
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00664723   00664723

DTAI builds intranet application for Netscape AppFoundry.

...Sept. 9, 1996--Newcomer   DTAI
Inc. Monday announced its Intranet Org Chart application for the
 Netscape AppFoundry program.

This announcement comes on the same day that **Netscape** announces
AppFoundry (originally code-named "Appalanche"), a collection of
reusable business applications, powerful new enterprise...

...new on-line community dedicated to IS
professionals building corporate solutions on their intranets.

The **Netscape** AppFoundry program is designed to make it easy for
enterprise developers to use Java(TM), JavaScript(TM) and the other
open, cross-platform technologies that are part of the **Netscape**
ONE(TM) open network environment to rapidly create and deploy custom
business applications on their...

...entirely in Java, allows
users to dynamically build and view complex organizational charts,
directly within **Netscape** Navigator(TM) client software.

Large hierarchies can be viewed a piece at a time using...

...with each employee, such as
the job title, phone number, electronic mail address, and personal
 Web **page** . Org Chart provides a direct **link** to the employees **Web**
page , or to initiate an E-mail session with that employee.

"**Netscape** AppFoundry applications such as DTAI Org Chart enable IS
professionals to rapidly deploy Intranet solutions...

...maximize return on
investment," said Srivats Sampath, vice president of servers, tools
and applications at **Netscape** .

The applications in **Netscape** AppFoundry, with complete source code,
will be available on-line, for download at no charge from
 Netscape 's Internet **site** (www.**netscape** .com), and are also expected
to be bundled with **Netscape** Enterprise Server(TM) software and be
distributed on CD-ROM later this year.

DTAI, now...

...Internet, graphical, and database applications for Unix and Windows.
DTAI also performs Internet server administration, **web** **page**
development, and advanced graphic design and **production** .

More **information** about DTAI is available on the Internet at
http://www.dtai.com, by e-mail at info@dtai.com, or by phone at
619/281-2292. -0-

NOTE: **Netscape** , **Netscape** Communications, **Netscape** Navigator,
Netscape ONE, and **Netscape** **Enterprise** Server are **trademarks** of
Netscape Communications Corp. All other **product** **names** are
trademarks of their respective companies.

   CONTACT: DTAI Inc., San Diego
              Rich Kadel, 619/281-2292
              Fax: 619/281-0377
              E-mail: kadel@dtai.com
              URL : http://www.dtai.com

   ...

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00657640   00657640

OneWave, Inc. Introduces OneWave Apps(TM) for Integrating and Extending
 Business Processes; Pre-Built Application Templates to be Offered as Part
 of OneWave Extensions(TM) ; Armstrong World Industries is First Customer.

Business Wire
DATELINE: WATERTOWN, Mass.   August 15, 1996   WORD COUNT: 978

...software applications, with an easy-to-use interface. These
plug-and-play templates run within **Web** **browsers** and desktop OLE
environments, and access existing corporate computing technologies.
OneWave Apps provide a pre...

...effective
business implementations. For additional information about OneWave,
please access the Company's World Wide **Web** **site** at
http://www.onewave.com; send e-mail to info@onewave.com; or call
(617...

...dated
July 2, 1996.

OneWave(TM), OneWave Apps(TM), OpenScape(TM), OpenExtension(TM) and
OpenScape **Enterprise** (TM) are **trademarks** of OneWave, Inc. Other
 company and **product** **names** may be trademarks of the respective
companies.

   CONTACT: OneWave, Inc.
              Peg Culotta or Oliver Churchill...

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00657568   00657568

Information Dimensions Debuts BASIS Intranet Solution at Internet World
 Australia and Announces Success of Distributors in Region

PR Newswire
DATELINE: SYDNEY, Australia   August 20, 1996   WORD COUNT: 736

...CIC), which lets
companies quickly build robust document manage ment applications
using highly customizable, graphical **Web** -**page** interfaces and
underlying templates. The BASIS Intranet Solution also integrates
one of the industry's...

...with a new
version of BASIS WEBserver Gateway, which is now fully integrated
with the **Netscape** Enterprise Server.

Information Dimensions recently signed a new distributor,
Delivering Communication Solutions (DCS) who has...
...director at DCS, "The Corporate
Information Centre concept with ready-to-use-templates and the
 Netscape integrat ion makes it easy for customers to get a prototype
up and running quickly...

...example, Advertiser Newspapers Limited, in Adelaide, SA. will be
using BASIS to provide a simple **WEB   browser** interface to its
newspaper archive database."

The BASIS Intranet Solution is shipping now and is...

...companies manage their
corporate information repositories. Specializing in the growing
Intranet market, they provide on- **site** consulting , training and
support to enable businesses to realize the full potential of the
Intranet...

...Information Dimensions ' client base in
Australia. Its endeavors have expanded to include the distribution
of **Information** Dimensions' complete **product** line. IDA provides
local support, training and consul ting services for the BASIS
Intranet solution...
...Computer Library Center, Inc., the world's largest library
information network. Visit Information Dimen sions' **Home   Page** on
the World Wide Web at http://www.idi.oclc. org.

NOTE: BASIS and TECHLIBplus...

...are trademarks of Information
Dimensions or its affiliates in the USA and certain other
countries. **Netscape** , **Netscape** Communic ations and **Netscape**
 Enterprise Server are **trademarks** of Netsc ape Communications
Corporation. All other trademarks and trade names are owned by their...

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00645675   00645675

**Netron, Connect! combine technologies to deliver high-performance Java
 business applications.**

Business Wire
DATELINE: TORONTO   July 25, 1996   WORD COUNT: 1039

...delayed deployment of large, core business
systems over the Internet."

Visitors of either company's **web   site** can obtain software and
information on Netron Frameworks and CONNECT! Quick through hot **link**
connections. Visitors can download CONNECT! Quick to their local
machine and then access sample Java...

...available in Netron Fusion 3.0, Netron's
component-based development environment.

Proven at customer **sites** around the world, Netron Fusion's
combination of advanced development tools, application frameworks,
and class...

...Client and
CONNECT! Quick Server. Quick Client is installed on each client
computer with a **Web** **browser** , while Quick Server is installed on the
World Wide Web server. Quick Client provides significant...

...the U.S., the U.K., and distributors worldwide. For more
information, visit Netron's **Web** **site** at http://www.netron.com.

Founded in 1993, CONNECT! Corporation is a premier provider of...of Netron
Inc. CONNECT!, CONNECT!
Corporation, CONNECT! Quick Client, and CONNECT! Quick Server, and
CONNECT! **Enterprise** are **trademarks** of CONNECT! Corporation. All
other **product** **names** are trademarks of their respective companies.

    CONTACT: Netron: Rick Strosberg
             (416) 636-8334, ext. 266...

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00631272   ·   00631272

**IBM begins beta testing for next version of OS/2 Warp; Thousands of users
to test drive voice capabilities and easier Internet access.**

Business Wire
DATELINE: AUSTIN, Texas   June 19, 1996   WORD COUNT: 1194

...final product
features.

Users already have been applying for the beta program through an
IBM **home** **page** that was posted last week in preparation for the
beta's release. More information about...

...run native
Java applications or applets, like a stock ticker or spreadsheet,
independent of the **Web** **browser** and can place the **URL** from their
favorite World·Wide **Web** **sites** or Java applets directly on their
desktop. With a quick click of the mouse or a simple voice command,
users can instantly launch that particular **Web** **site** or applet.
A built-in Java Developers Kit and run-time code eliminate the need...

...trays. Trays can
include any combination of objects from folders to applications to
World Wide **Web** **address** icons, making these objects instantly
accessible from the desktop. In addition, the new intuitive user...sized bu
sinesses and
departmental workgroups to the corporate enterprise. -0-

(a) OS/2 and Voice **Type** are **trademarks** or registered **trademarks** of
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(b) Java is a **trademark** of Sun Microsystems, Inc.

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 company , its products, services and technology on the World Wide
Web. The IBM **home** **page** is at http://www.ibm.com. The fastest,
easiest way to find any information about IBM software is to go to
the IBM Software **home** **page** at http://www.software.ibm.com. The IBM
Fax Information Service allows you to receive...

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00629794   00629794

OPEN ENVIRONMENT CORPORATION INTRODUCES MAMBO, INDUSTRY'S FIRST MULTI-TIER, OBJECT WEB DEVELOPMENT TOOL

PR Newswire
DATELINE: BOSTON   June 17, 1996   WORD COUNT: 626·

...code. It supports
all emerging Web standards u http, shttp, and ssl·web servers; HTML
 browsers ; HTML editors including HoTMetal, WebMagic, Word, etc. and
works with **Netscapes** table extensions. It automatically generates
CGI (Common Gateway Interface) executables and HTML template forms
that...

...500 per machine. An evaluation version is
available free of charge from Open Environment's **Web   Site**
http://www.openenv.com.

Open Environment pioneered the three-tiered client/server
architecture, a de...
...CA, is a
leading provider of products and services for software developers.

NOTE: Mambo and **Entera** are **trademarks** of Open Environment
Corporation. All other **product** and corporate **names** are trademarks
of their respective owners.

    -0-   6/17/96

 /CONTACT: Maureen MacGregor of Open...

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00595036   00595036

FTP Software to acquire Campbell Services, Inc.; Calendaring and scheduling software expands collaboration product offerings.

Business Wire
DATELINE: ANDOVER, Mass.   March 28, 1996   WORD COUNT: 676

...extends FTP's commitment to provide our customers with a broad
array of desktop networking, **productivity** and **information**
management applications," stated David H. Zirkle, president and
chief executive officer at FTP Software. "This...

...Windows NT desktops. Campbell recently
announced the OnTime Web Edition which enables anyone with a **Web**
 browser to access their OnTime calendar information from anywhere
they have Internet access, making OnTime users...

...pioneering developer of TCP/IP and interconnectivity applications
and is committed to providing technically superior **products** for
sharing **information** across disparate computing platforms and
networks. Both its Networking Products Business Unit and New
Ventures...

...are registered trademarks
and KEYview is a trademark of FTP Software, Inc. OnTime and OnTime

Enterprise are registered **trademarks** of Campbell Services, Inc.
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'...including this
press release, is available electronically via FTP Software, Inc.'s
World Wide Web **home** **page** (http://www.ftp.com). Information on
Campbell Services, Inc. is available electronically via Campbell's
World Wide Web **home** **page** (http://www.ontime.com).

    CONTACT: FTP Software, Inc.
            Jill LeBallister Dudka
            Public Relations
            FTP Software...

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00540421   00540421

**Dataware Technologies announces NetAnswer; "Information Super Server" and
 hosting services for commercial Internet publishing.**

Business Wire
. DATELINE: CAMBRIDGE, Mass.   Oct 25, 1995   WORD COUNT: 1027

...of users. Also available are services to assist in the design of
custom HTML interfaces, **site** registration, security checks, and in
establishing database query or navigation features. Technical
support and training...

...subsidiary of Thomson Information Publishing
Group and one of the first NetAnswer customers, developed a **Web**
 site containing 10 gigabytes of data. "Dataware offered the best
product for our needs," explains Larry...

...performance, flexibility -- and the
ability to customize interfaces and be accessible by a variety of
 browsers -- as well as user tracking. Services to allow us to get up
and running fast...

...system originally developed for commercial
online systems and today used in more than 2,000 **sites** worldwide.
These include Burrelle's Information Services, the Kodak Picture
Exchange, and the National Technology...

...pay-per-connect, pay-per-query.

o Ease of publication with automatic HTML translation, with **links** to

original documents.

o Compatible with standard **browser** interfaces (**Netscape** , Spyglass s

Extended **Mosaic**), and with all standard Web servers (CERN, NCSA,
 Netscape s Communication Server), through a Common Gateway Interface
(CGI). Also compatible with secure Web servers such as **Netscape** 's
Commerce Server and Open Market s Secure WebServer.

o Industry standards support including HTML **Search** are registered **tradem
arks** and NetAnswer is
a trademark owned by Dataware Technologies, Inc. Other **product** or
 company **names** mentioned in this press release may be trademarks or
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acknowledged.

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                Ann Hawkins, (617) 621-0820 x1702
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                Home   **Page** : http://www.dataware.com

...
?pause
>>> PAUSE started.
?